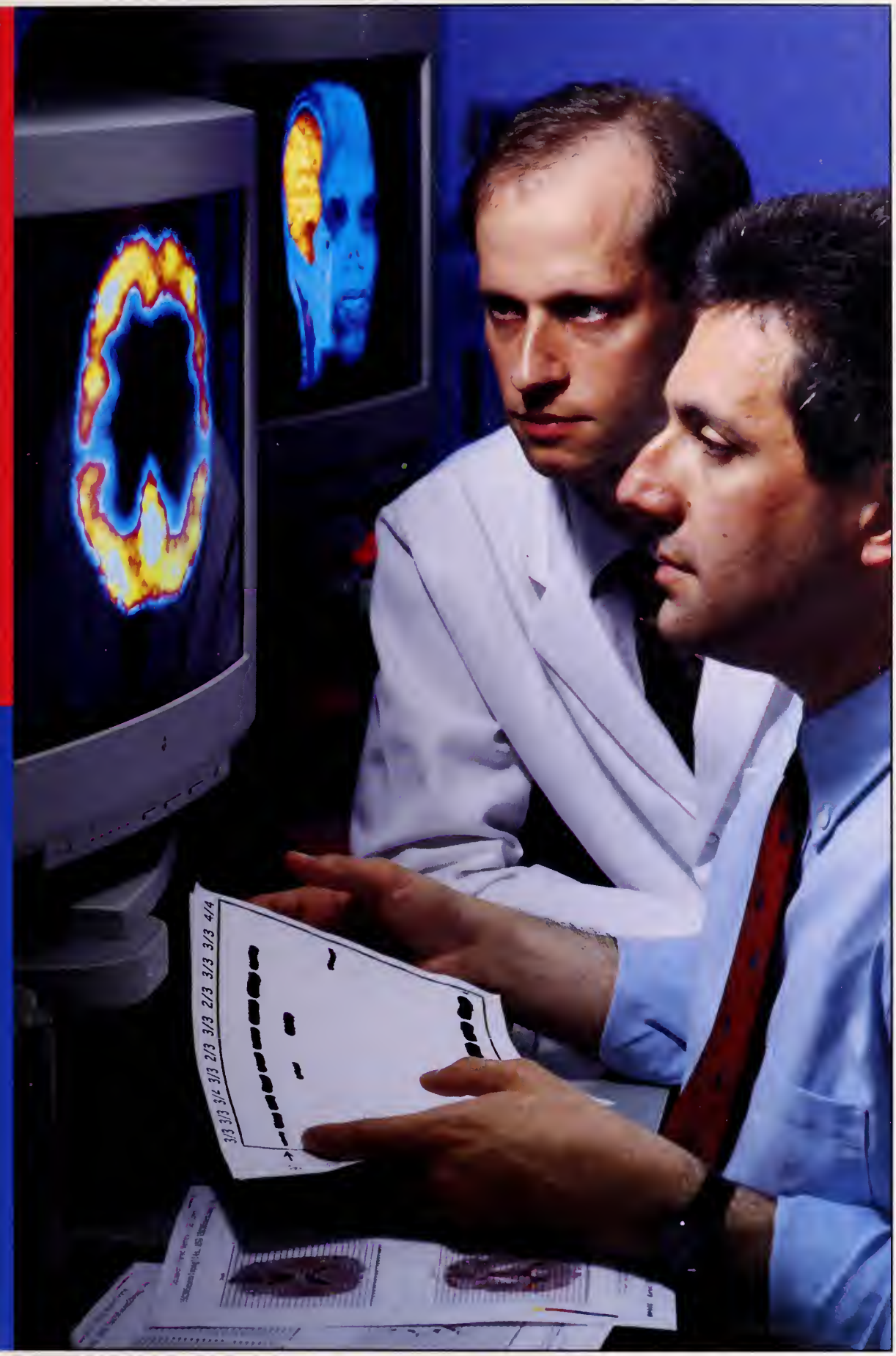

THE HANDS TO CARE THE MINDS TO CURE

1994

ANNUAL REPORT

The New York Hospital-Cornell Medical Center

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Cover. Dr. Norman Relkin (left) and Dr. Sam Gandy correlate the genotype of a patient with Alzheimer's disease to structural and functional brain images. Discoveries by Drs. Relkin and Gandy about the genetic origins of the disease will ultimately benefit the patients who come to them for care.

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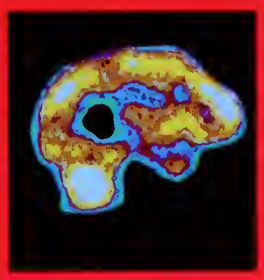
THE HANDS TO CARE
THE MINDS TO CURE

Dr. Anne Moore is both confidante and caregiver as she attends to women with breast cancer. Dr. David Wesson considers the parents while he listens to the hearts of very sick newborns. Nurse Leisa Willis is the consummate companion for patients in pain. At New York - Cornell, theirs are the hands to care. In the laboratory, Dr. Sam Gandy takes on neurological diseases of older adults. Dr. Francis Barany confronts the genetic origins of cancer. Dr. David Hajjar challenges heart disease at the biochemical level. At New York - Cornell, theirs are the minds to cure. Where these six go, hundreds of others at the Medical Center go, too – with compassion in their hearts and wisdom in their ways.



Chairmen's Report

Maurice R. Greenberg

Sanford I. Weill

During this time of remarkable change, the Hospital and Medical College benefitted from the extraordinary leadership of Hank Greenberg and Art Mahon. In December 1994, Hank completed seven outstanding years as NYH Chairman, while this past June Art concluded an exceptional three-year term as CUMC Chairman. During his tenure, Mr. Greenberg oversaw a considerable turnaround in Hospital finances, and the development of the major modernization program and NYH Health Care Network. Mr. Mahon helped put the College on solid financial ground, and strengthened its educational and research programs. Both guided the resolution of real estate issues and forged stronger links between NYH and CUMC. John McGillicuddy and Sanford Weill succeed them as NYH Chairman and CUMC Chairman, respectively.

John F. McGillicuddy and Arthur J. Mahon

"The Hands to Care, The Minds to Cure" -- this year's annual report theme -- is particularly expressive of our three-fold mission of patient care, education, and research. Recognized for the compassion of its clinicians, the wisdom of its professors, and the mastery of its scientists, The New York Hospital-Cornell Medical Center is strengthened further by the interdisciplinary collaborations which exist throughout the Hospital and College.

In this rapidly changing, cost-conscious healthcare environment, the Medical Center is aggressively pursuing a strategy to safeguard these attributes and promote future efforts of our professional staff. The rewards of this strategy -- which incorporates the recruitment of medical and academic leadership; the implementation of our major modernization plan; the development of a new curriculum and new basic science programs and infrastructure; the ongoing development of the NYH Health Care Network; the reengineering of business and clinical processes; and the strengthening of interdepartmental collaborations -- began to be realized in 1994, a year distinguished by record-setting accomplishments.

The most notable of these were financial gains from both Hospital and Medical College operations. It also was the most successful fundraising year in the history of the Medical Center, with contributions totaling nearly $104 million. As a result, the *New Horizons for Medicine* campaign is flourishing -- $324 million has been raised toward the $600-million goal in just over one year of a five-year campaign. Of this, $143 million is designated for the Hospital's major modernization, and over $32 million is targeted for Medical College priorities.

We are pleased to report that CUMC was ranked among the top 10 medical colleges in the country by a *U.S. News and World Report* survey. This is not surprising when you consider that of the 125 U.S. medical schools, Cornell placed in the top 10 in terms of student preferences.

The major modernization program celebrated its own significant achievements in 1994. In November, the Hospital received a $590-million mortgage insurance commitment from the Federal Housing Authority (FHA), the largest in FHA's 60-year history, enabling it to pursue financing for the construction of the new inpatient facility. A mild winter enabled the steel erection to proceed more quickly than anticipated, putting major modernization ahead of schedule and under budget.

The NYH Health Care Network, which now consists of 12 facilities, showed a gain of approximately $16 million from operations during 1994, largely due to improved business practices. The Network's focus on managed care has led to the creation of the NYH Health Plan, Inc., a separate corporation to develop and implement the Network-wide managed care strategy. CUMC has established an Office of Network Affairs to help carry out its responsibilities -- including recruitment of medical chiefs at the various institutions, faculty credentialing, educational activities, and healthcare delivery research.

Several new members were elected to the respective boards of the Hospital and Medical College. Louis Gary, Winfield Jones, Charles Koppelman, Terry Allen Kramer, and Ellen Marram joined NYH's Board of Governors. Edwin Morgens, Peter Sacerdote, and Stanley Tollman joined CUMC's Board of Overseers. The Hospital and Medical College also created mutual board slots to enhance the cooperative pursuit of their missions. Eleanor Elliott, Ronald Stanton, Sanford Weill, and Arthur Mahon are now both Governors and Overseers.

New York-Cornell is counted among the nation's greatest medical resources -- paving the way for improved patient care through continuation of vital clinical and laboratory research and the education of future physicians. As we move foward, the Medical Center faces critical choices. It has already met some of the more difficult challenges by entering the world of network development and managed care; by restructuring its educational program; and by developing new, interdisciplinary areas of scientific investigation.

We are grateful for the active participation by our friends, board members, and staff. With the right resources and support, New York-Cornell will continue to influence the course of medicine well into the 21st century.

Maurice R. Greenberg
Chairman
Board of Governors
The Society of
the New York Hospital

Arthur J. Mahon
Chairman
Board of Overseers
Cornell University
Medical College

Dean's and President's Report

In 1994, The New York Hospital-Cornell Medical Center experienced a remarkable year, surpassing nearly all financial and programmatic expectations.

Both the Hospital and the Medical College had many reasons to celebrate, not least of which is ending their respective fiscal years with operating budget surpluses. The Hospital's rate of increase in operating expenses was below the national average for healthcare, and record financing and fundraising support were achieved for the major modernization project, which is several months ahead of schedule and under budget. Additionally, length of stay continued to decline, while occupancy rates stayed at 90 percent or better.

The Medical College also enjoyed a superb fundraising year, with major gifts received for the Joan and Sanford I. Weill Education Center, among others. Additionally, in an institutional profile released by the Association of American Medical Colleges, CUMC faculty were well above the national average in their ability to generate research grants per faculty member. And, in another survey analyzing the citation impact of 100 universities in biological research, the Medical College ranked in the top 10 for neuroscience and clinical medicine.

Reorganizing for Change

As the new healthcare environment begins to take shape, both NYH and CUMC are enhancing their positions by redefining their structures and making pivotal administrative, medical, and academic appointments. Last July, we were pleased to welcome Sue B. Dorn to New York-Cornell as Vice President and Vice Provost for Development. Since January 1994, several department chairs and division chiefs have come on board culled from some of the nation's most prestigious institutions. Among them are Dr. H. Dirk Sostman, Radiologist-in-Chief and Professor and Chairman of the Department of Radiology, and Dr. Frederick R. Maxfield, Professor and Chairman of the Department of Biochemistry. Dr. Richard Granstein has accepted the appointment as Dermatologist-in-Chief and the George W. Hambrick Professor and Chairman of the newly created Department of Dermatology.

The Medical College also named James Berardo as Executive Director of its 550-member Faculty Practice Plan. Mr. Berardo will oversee the restructuring of clinical services to make them more comprehensive and attractive in today's price-competitive market.

Recognizing that the breadth and intensity of activities essential to the future of The New York Hospital have increased remarkably, steps were taken to strengthen its corporate and management structure. A parent organization, Society of NYH, Inc., was established which oversees the Hospital, the NYH Health Care Network, and other real estate and financial enterprises -- naming Kathryn Martin as Senior Vice President and Chief Operating Officer; John Lavan as Senior Vice President and Chief Financial Officer; and Louis F. Reuter IV as Senior Vice President for Facilities Development and Real Estate.

George A. Vecchione, Executive Vice President of the Hospital and its parent organization, also assumed the position of President of the NYH Health Care Network.

An Integrated Delivery System

The NYH Health Care Network -- an integrated system of high quality hospitals, physicians, and other healthcare providers -- stands 12 members strong, with the Strang Cancer Prevention Center and ICD-International Center for the Disabled as the latest additions. Most of the member institutions are corporately linked, and all have a direct academic relationship to Cornell University Medical College.

To help achieve its goals and carry out its missions, the Network has been organized into four sectors: clinical integration, business operations, managed care activities, and academic activities. Dr. Arthur Klein and Havva S. Idriss were welcomed as Senior Vice Presidents for the Network to develop clinical and business functions, respectively.

David B. Skinner, M.D., and Robert Michels, M.D.

With managed care as its central activity, the Network has established NYH Health Plan, Inc., which will develop related products, such as HMO contracts and centers of excellence, and act as the contracting agent for physicians and hospitals. Robert A. Chernow has been named as the organization's President and Chief Executive Officer. He will also serve as the Network's Senior Vice President for managed care activities.

To strengthen CUMC programs in the Network and to address academic and credentialing issues, Dr. Oliver Fein was appointed Associate Dean and Director of the College's new Office of Network Affairs. NYH and CUMC both participate in searches for department chiefs in each of the Network institutions, and academic chairs represent the entire system, thereby strengthening our ability to recruit quality physicians for Network members.

CUMC: Reaffirming Its Mission

Cornell's three-fold mission emphasizes a commitment to superior research programs, the education of future leaders in biomedical science and clinical medicine, and clinical care of the highest quality. The Medical College undertook an in-depth self-evaluation process before reaffirming this mission in 1994. Linking these endeavors is at the crux of academic medical centers. We have begun to implement specific strategies -- focused, in particular, on increased integration of basic and clinical sciences. These include the development of a new curriculum and education center;

continued on page 4

continued from page 3

the establishment of three new interdisciplinary research programs in genetics and gene therapy, structural biology, and neuroscience; and the critical expansion and renovation of research space.

Our medical students continue to be among the nation's most promising and talented. Entering CUMC in 1994 were 51 men and 50 women selected from a pool of 6,354 applicants. The Graduate School of Medical Sciences welcomed 20 men and 20 women. The results of the 1994 National Resident Matching Program found 90 percent of CUMC's graduating students obtaining one of their top three residency choices, while 51 percent received first-year hospital appointments at the most competitive teaching hospitals in the country -- evidence of Cornell's premier academic excellence.

Reflecting CUMC's long-standing leadership in recruiting and training minority medical students, the Medical College was selected as the only New York City site and one of six around the country to participate in the Josiah Macy, Jr. Foundation Minorities in Medicine Program. The unique $2.7-million project provides minority high school students with structured mentoring, counseling, and summer programs to encourage them to pursue medical careers.

A *global* Medical College, CUMC's influence extends worldwide through students and faculty involved in healthcare institutions, research projects, or training opportunities in other countries. The highly successful Salzburg-Cornell seminars for Eastern European physicians -- now in their third year -- is one example. Most recently, the Medical College and the Hospital completed a new affiliation with the American Hospital in Paris, establishing an exchange program for faculty, students and administrators, and the potential for collaborative projects in research and continuing education.

Innovative Programs, New Initiatives

Although reacting to and planning for healthcare reform seemed to take center stage in 1994, the Medical Center focused significant attention on the development of new patient care and research programs. Among these was the establishment of a medical ethics program to improve clinical ethics education and to facilitate the dialogue on ethical problems within the Hospital. A new Hospital Department of Transplantation Medicine and a new Bone Marrow Transplantation Program were created to improve treatment for patients with kidney disorders and cancer, respectively. CUMC made magnetic resonance imaging technology more available to physicians and patients with the opening of a new MRI facility on East 55th Street.

The Westchester Division -- which celebrated its centennial anniversary in 1994 with an incredible array of activities that brought you back to opening day on October 17, 1894 -- launched a new inpatient older adult program to treat patients with depressive and anxiety disorders and an Adult Continuing Day Treatment Program.

Kudos were received by the surgical trauma team, paramedic services, and staff of the emergency department who serve the Medical Center's Trauma Center, following a State Health Department study which demonstrated that New York-Cornell has one of the highest volumes and lowest mortality rates in the City. The Department of Cardiothoracic Surgery remains one of the top-ranked centers for open heart surgery in the State and country.

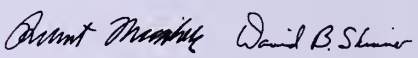
Cornell scientists continue to engage in research in many areas of significant concern, including AIDS, cancer, and psychiatry and neuroscience, contributing important information to medical knowledge and practice. In almost every area of basic research, biomedical investigators are currently exploring genetics, and cellular and molecular biology, which hold the secrets both to the normal functioning of the body and the malfunctions that lead to disease.

The Hands to Care, The Minds to Cure

This year's annual report, with its theme "The Hands to Care, The Minds to Cure," reminds us that at the core of New York-Cornell are physicians and health professionals devoted to their patients, a faculty attentive to their students, and researchers who have medical breakthroughs, if not cures, within their reach. Their dedication is often recognized nationally and internationally through awards, major research grants, and honors. Among the individuals singled out were Dr. Kenneth Berns, who was named Chairman of the Association of American Medical Colleges, and elected as a member to the prestigious National Academy of Sciences.

Dr. Moses Chao was awarded a Guggenheim Fellowship; Dr. Aaron Marcus received the Bristol-Myers Squibb Distinguished Scientist Award; and Drs. Hazel Szeto and George Alexopoulos were selected for five-year, NIH MERIT awards. Three exceptional young scientists -- Drs. Patrick Brennwald, Xin-Yun Huang, and Ching-Hwa Sung -- joined CUMC as Cornell Scholars. Pamela Fallon in Public Health was selected for a Fulbright Scholar award. Dr. Michael Madden, Clinical Director of the Burn Center, received the New York City Fire Department Medal for valorous service. Gilberto Hinds, R.N., received the "Wholeness of Life" Award from the Hospital Chaplaincy.

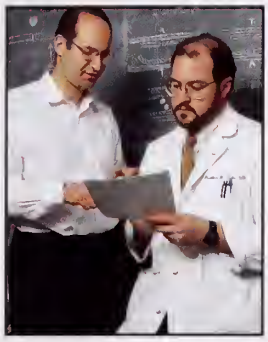
We are deeply gratified by the Medical Center's numerous accomplishments and compelled to transcend these triumphs in 1995 -- urged on largely by the challenges to deliver quality, low-cost healthcare to the greatest number of people and maintain the integrity of our education and research programs. External factors, such as managed care, the need to train generalist physicians, and diminishing research support and indirect cost reimbursements, will forever change the direction of academic medical centers. We will help chart this new course for healthcare secure in the knowledge that our clinicians and faculty are compassionate, talented, insightful, and forward-thinking, and share New York-Cornell's vision for the future.



Robert Michels, M.D.
The Stephen and Suzanne Weiss Dean
Cornell University Medical College

David B. Skinner, M.D.
President and CEO
The New York Hospital

While a specific genetic link has been identified in only a handful of cancers, genetic makeup can hold the key to why certain people are more likely to develop cancer than others.



(Top Right) Gloria Lewis, a resident of England, traveled to New York because of the confidence she has in New York-Cornell physicians. (Above) Drs. Francis Barany and Matthew Lubin use molecular diagnostic methods to determine who may be at risk for cancer. (Right) Leisa Willis, R.N., is closely involved in the care of Joyce Steins, who is hoping to undergo a bone marrow transplant. (Bottom) Dr. Anne Moore is respected by her patients and held in high esteem by her colleagues for her work in cancer.

Many patients who have cancer say "Not knowing is worse than anything." For 44-year-old Shelley Weinstock, it was not knowing whether the lump in her breast was malignant or benign. For 63-year-old Gloria Lewis, it was not knowing how long she would need chemotherapy for liver cancer. For 51-year-old Joyce Steins, it was not knowing whether she would ever be strong enough to endure a bone marrow transplant. And all three women wonder about long-term survival.

While there are still more questions than answers, every day brings new understanding about how to treat cancer or stop it from ever occurring in the first place.

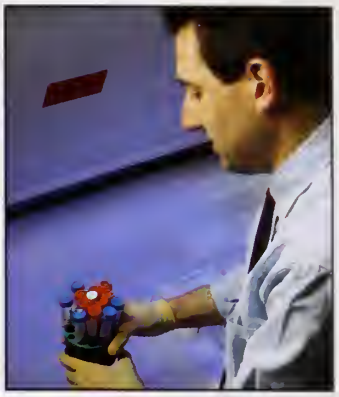
"We are now on the eve of enormous advances, having learned that there are genes that are responsible for triggering cancer cell production," says Dr. Anne Moore, a noted oncologist at New York-Cornell.

Within cells, there are parts of chromosomes called oncogenes. Everyone has them, but for most the oncogenes remain undisturbed. The trouble begins when they are stimulated in certain ways that turn normal cells into cancerous ones.

"Cancers are associated with mutations and alterations in the DNA molecule which cause genes to malfunction," says Dr. Francis Barany, Professor of Microbiology. "Detecting these specific mutations will lead to a better understanding of tumor biology and earlier detection of cancer." It may sound like looking for a needle in a haystack, but Dr. Barany has pioneered new technologies to expose these mutations and identify new cancer genes.

While the genes set the stage -- environmental, dietary, and lifestyle factors can influence their normal or abnormal performance. "Since about 80 percent of all cancers may be related to the environment and things we eat," says Dr. Andrew Dannenberg, Associate Professor of Medicine, "it is critical to focus on prevention research."

New York-Cornell's cancer experts are doing their best to distill the vast body of knowledge in the field into practical, life-saving methods. Like the patients they treat, these clinicians and scientists are coming to terms with cancer.



(Clockwise from upper left) Dr. John Wagner's research prowess may someday provide an antidote to the effects of stroke and neurodegenerative diseases. Like the collages that he works on, artist Bob Cato tries to keep the fragments of his memories together in the face of Alzheimer's disease.
Dr. Sam Gandy rigorously pursues the concept of selective vulnerability – why some cells or organisms develop a disease, while others are spared – in the study of Alzheimer's. There may be new treatments for neurological diseases of older adults on the horizon thanks to a joint program between Hebrew Home for the Aged and Cornell University Medical College. Led by Dr. Norman Relkin, the unique program seeks to improve the quality of later life by devising new diagnostic, preventive, and corrective measures.

While researchers have been fascinated by the brain's mysteries for centuries, only recently have the techniques and technology become available to delve into the body's most complex organ.

"A flash...a little momentary realization that another part of it went into the dark. I have a fantasy that if I turn on the light, it will come back. And if I leave the light on, it will remain."

Bob Cato is in the early stages of Alzheimer's...aware that his lifelong memories are fading into the shadows because of a disease that scientists have yet to fully comprehend.

At New York-Cornell, Alzheimer's disease is one of many degenerative brain disorders under collaborative study by clinicians and scientists.

"Medical science has brought us to the exciting new era of cellular and molecular biology. These remarkable advances promise to provide effective therapies for the likes of Alzheimer's and Parkinson's diseases, as well as for traumatic neurological disorders and psychiatric conditions," says Dr. Fred Plum, Neurologist-in-Chief at New York-Cornell.

In Alzheimer's disease, proteins in the brain are subjected to abnormal conditions that prevent their breakdown. Consequently, these proteins can form stiff twisted structures called tangles within the neurons -- the brain's primary functional cells. In the spaces between neurons, other proteins band together to form plaques -- deposits of beta amyloid protein. These tangles and plaques are similar in size and texture to grains of sand, and as they accumulate, normal brain cells are pushed aside, injured, and eventually destroyed -- taking with them the memories, the intellect, and the personalities of their victims.

Dr. Sam Gandy, Director of CUMC's Laboratory for Alzheimer's Research, focuses on the metabolism of amyloid precursor protein (APP) -- the substance shown to act as the parent molecule to the plaques. He and his colleagues have identified two alternative biochemical pathways for breaking down APP, a good one which prevents plaques from forming and a bad one which enhances their formation. Now the goal is to identify compounds that can prevent the structural changes in the brain from occurring.

Dr. Gandy has also examined three different mutations in the gene for the APP protein which can cause rare forms of Alzheimer's disease. "However," cautions Dr. Gandy, "only about 10 percent of Alzheimer's cases obey all the genetic laws, where if the defective gene is inherited, it is certain the disease will develop. In the remaining 90 percent, Alzheimer's is sporadic, occurring unpredictably within the general population."

Apolipoprotein E (ApoE), a protein that helps regenerate nerve cells, is also under study. Defects in the gene that makes ApoE have been implicated in some cases of Alzheimer's. Dr. Gandy recently showed how one subtype of ApoE increases the risk of the disease, and how another actually protects against it. This can play an important role in determining an individual's susceptibility, drawing the possibility of preventive treatments nearer.

Focusing on the clinical and neuropsychological aspects of Alzheimer's disease, Dr. Norman Relkin, Director of CUMC's Memory Disorders Program, collaborates with Dr. Gandy to bring bench work to the bedside. In his practice, Dr. Relkin calls on magnetic resonance imaging (MRI), which defines changes in the structures of the brain, and functional MRI, which can map areas of the brain associated with cognitive function. Drs. Gandy and Relkin will soon take their innovations on the road. They have just initiated the first federally sponsored international consensus conference on the clinical and ethical ramifications of using the ApoE gene to predict Alzheimer's disease.

Brain: Heal Thyself

Maybe being called a bird-brain isn't so bad after all. Not when you consider the recent discovery of Dr. Steven Goldman, Associate Professor of Neurology and Neuroscience, who, based on earlier studies of canary brains, has presented evidence that the human brain can produce new brain cells during any point in life. "Until now, scientists believed that the brain's cellular composition was inflexible, and that new neurons could not be generated," says Dr. Goldman. "Our research refutes this tenet, opening up the door to the possibility of growing brain cells to replace those damaged or destroyed by stroke or degenerative diseases."

Dr. John Wagner, Director of CUMC's Laboratory of Cellular Neuroscience, shares the goal of bringing brain regeneration to reality. Dr. Wagner's studies of the role of nerve growth factors, such as fibroblast growth factor, in the repair of neural tissue may one day prove valuable in preventing or delaying the progression of neurodegenerative diseases.

Matter Over Mind?

As both psychiatrist and neurologist, Dr. David Silbersweig is trying to beat down the spurious distinction between the mind and the brain. Dr. Silbersweig and Dr. Emily Stern, Directors of the Functional Neuroimaging Laboratory, have used positron emission tomography (PET) to map changes in brain activity related to specific mental states. They have obtained the first images of the brain associated with hallucinations in schizophrenia and with tics in Tourette Syndrome. "It used to be like trying to image a ghost," says Dr Silbersweig. "Now we're able to image consciousness at work. We can discover how these complex phenomena emerge from interacting brain systems, and how dysfunctional systems cause people to 'lose their mind.'" This work may lead to therapies that can mitigate symptoms of mental illness.

These physician-scientists are among the many at New York-Cornell learning to master the research trials that will, in time, be applied to the patients who anxiously await their triumphs.

We know that atherosclerosis is the build-up of fatty deposits in the arteries, that it is the most common cause of coronary heart disease, and that high blood pressure and elevated cholesterol levels are among the major risk factors.

What is less certain is what causes the process of atherosclerosis to be set in motion in the first place. For that answer, and responses to more basic questions on its etiology, we go to the recently established Center of Vascular Biology of Cornell University Medical College. Directed by Dr. David P. Hajjar, Professor of Biochemistry and Pathology, Center collaborators seek to decipher the biology of the cells that compose the walls of the blood vessels and better understand important clinical issues.

"What makes our group strong and why we are here at New York-Cornell is a common interest in coupling basic research with clinical medicine," says Dr. Hajjar. "We are able to take advantage of a plethora of clinical research which uses biology and chemistry as tools to study disease processes. It is clearly a mutually beneficial environment."

In 6,000 square feet of laboratory space dedicated to the Center, Dr. Hajjar and his colleagues will continue their pivotal molecular and cellular research that has influenced the field of vascular biology for more than a decade. In 1990, Dr. Hajjar achieved scientific acclaim with the identification of the connection between herpes viruses and atherosclerosis and thrombosis (abnormal blood clotting). The discovery had important ramifications for research in treating cardiovascular disease and stroke, and earned him FASEB's Warner Lambert-Parke Davis Award.

"We believed that the herpes virus could help cause heart disease by infecting the cells of arterial walls and then altering how cholesterol is metabolized," says Dr. Hajjar. He went on to demonstrate that herpes virus infections could induce both atherosclerosis and thrombosis by causing coagulation proteins to stick to the lining of the vessel wall. Today, Dr. Hajjar seeks to define the process by which fats accumulate in arteries, and the factors involved in cholesterol metabolism.

Collaborative efforts under the Center's umbrella include studies by Drs. Donald Fischman and Takashi Mikawa of Cell Biology and Anatomy, who are investigating the development of heart muscle and blood vessels; Dr. Roy Silverstein, Hematology/Oncology, and Dr. Jackson Coleman, Ophthalmology, who are probing the relationship of vascular biology to vision; Dr. Barbara Hempstead, Medicine, who is studying the relationship between nerve growth factors and cardiac vessel wall development; Dr. Steven Gross, Pharmacology, who is researching nitric oxide's role in the cardiovascular system; Dr. Katherine Hajjar, Pediatrics, whose research focuses on the body's mechanisms for dissolving clots; and Dr. Todd Rosengart, Cardiothoracic Surgery, who is investigating the role of growth factors in the development of blood vessels.

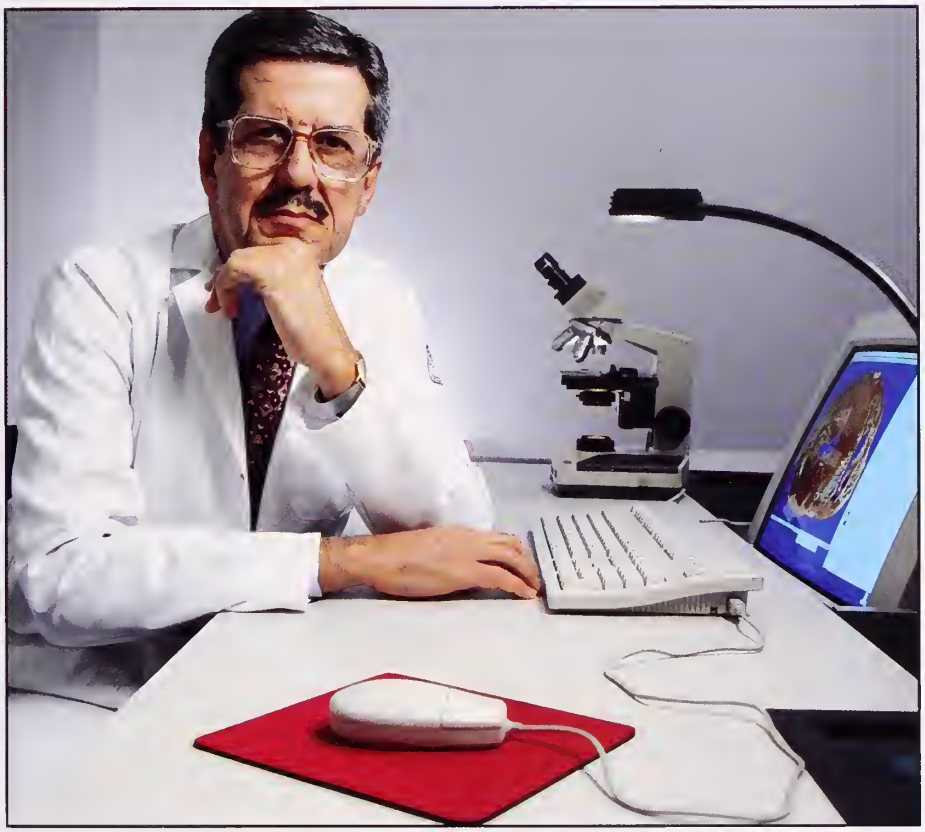
One of the youngest full professors ever to be appointed at Cornell, Dr. Hajjar is as devoted to cultivating the minds of students as he is to generating important research. He has recently designed a new program in the Graduate School of Medical Sciences in biochemistry and structural biology.

"This education program parallels what is so attractive about the Center of Vascular Biology," says Dr. Fischman, Dean of the Graduate School and Chairman of Cell Biology and Anatomy, "namely the collaboration of outstanding faculty members from a number of different programs who share common scientific interests."

Dr. David Hajjar (front) is joined by research collaborators (from left) Drs. Donald Fischman, Barbara Hempstead, Takashi Mikawa, Steven Gross, Katherine Hajjar, and Roy Silverstein, who will soon work in the new Center of Vascular Biology. Other investigators include Drs. William Muller and Domenick Falcone of Pathology, and Dr. Timothy McCaffrey of Medicine.

The Center of Vascular Biology brings together some 15 faculty, postdoctoral fellows, and graduate students in biochemistry and molecular biology, and draws on the expertise of Medical Center clinicians and surgeons.

"Our goal is to help students become lifelong learners," says Dr. Robert Michels, CUMC Dean. "Computers will help accomplish this, and change forever the way medical students are educated."



(Top) For the past several years, students in CUMC's neuroscience course have been using "MacBrain" – a computer program introduced by Dr. Dana Brooks, Cell Biology and Anatomy.

(Bottom) Dean Alonso is the mastermind of the Weill Education Center's innovative computer workstations, which feature soothing lights and height-adjustable monitors so views to faculty instructors aren't obscured. With advanced computer technology, students can listen to the sounds of a normal beating heart, simulate a gene experiment, or pore over an MRI image. With the click of a mouse, they can call up digital images of some 6,000 biomedical specimens and radiographs accumulated in Cornell's own laboratories.

On exam days in years gone by, teachers used to tell their students, "Take out a number 2 pencil, open your test books to page 1, and begin now." But as self-directed learning through computers gains in popularity, students can now be found taking their exam instructions from a computer screen guiding them to "double click on the round icon in order to launch the quiz."

At Cornell University Medical College, where a new curriculum emphasizing problem-solving skills and critical thinking is about to be introduced and where the technologically advanced Joan and Sanford I. Weill Education Center is under construction, computer-assisted learning is coming into its own.

"Computers are powerful educational tools which encourage independent learning and provide medical students with a sense of discovery," says Dr. Daniel R. Alonso, Senior Associate Dean for Academic Affairs and the overseer of the Medical College's computer revolution. "Students can take risks and make mistakes with no one looking over their shoulder and grasp concepts in the process."

Computers also enable students and physicians to navigate the volumes of scientific and medical information necessary to the practice of medicine and now available "on-line." Access to such databases as the Mendelian Inheritance of Man, which identifies all genetic defects uncovered to date, and the Gene Bank, which registers any gene that has been causally linked to a disease, will prove indispensable to clinicians and researchers. CUMC is connected to these and many other databases, including the World Wide Web, which allows information searches to be conducted on an international level. In turn, users of the Web from around the globe can access Cornell's expertise.

Preliminary research studies indicate that teaching with computers yields better results than the traditional lecture/textbook method. And today's computer-savvy generation of students love it.

The Westchester Division: Then and Now... While the grounds and the buildings have remained virtually unchanged over the past 100 years, the range and types of programs have grown tremendously.

Courtesy of the Medical Archives, NYH-CMC

The original building of the Westchester Division is recognized for its tower clock. Dating back to 1821, the clock came from New York Hospital's Bloomingdale Asylum on Manhattan's Upper West Side, where services for the mentally ill were previously located.

Sturgis Hall, the occupational therapy building for women, had rooms for basketry, glove-making, dressmaking, painting, and pottery. A men's occupational therapy pavilion contained fully equipped carpentry, metalwork, caning, and weaving workshops.

One hundred years after it opened on October 17, 1894, staff, volunteers, and friends of the Westchester Division donned period costumes to recreate the facility's first "public inspection."

High on a hilltop in White Plains, New York, the Westchester Division of New York-Cornell -- the largest non-profit psychiatric hospital in the nation -- sits insulated from urban clutter. Despite the growth of the suburbs, the Division has been able to maintain the tranquil environment that was desired when The New York Hospital relocated its mental health services there in 1894.

In that first year of operation, Bloomingdale, White Plains -- as the Westchester Division was then known -- cared for 443 hospitalized patients. The sprawling, 292-acre property accommodated several staff residences, patient villas, cow barns, stables, a carriage house, and garage. The cow barns and stables are now gone, but the carriage house and nearly all of the other original buildings remain to this day.

Enlightened care for the mentally ill dates back to the early 1800's with The New York Hospital at the forefront of the development of "moral" treatment. Early on, NYH President Thomas Eddy believed in the therapeutic power of recreation and physical exercise, which is reflected in the Westchester Division's beautiful grounds and magnificent gymnasiums. Close count was even kept of patient activities -- in 1917, patients played 2,803 games of golf and 1,311 games of croquet.

Many of the Westchester Division's current psychiatric services had their roots in earlier programs. Outpatient care dates back to 1917, when discharged patients were encouraged to return to the hospital for aftercare. An account in that year's annual report stated: "The practice of carrying patients on the books... after they leave the hospital and extending treatment while an adjustment is made to the requirements of ordinary life was continued during the year."

Today, the Westchester Division's outpatient programs are extensive -- including a new partial hospitalization program, community residence programs, and an adult continuing day treatment program.

Some 4,000 inpatients and outpatients now benefit each year from the Division's services -- further testimony to the compassion and wisdom of the caregivers and researchers at New York-Cornell.

Beaming With Pride

Ceremoniously painted white, adorned with a fir tree and an American flag, and signed by construction workers, Medical Center staff, community members, and government officials, the last beam of the new Hospital is put in its proper place.

What was only a concrete and steel platform -- albeit an award-winning one -- last February, now supports the entire two-block, 12-story framework of the new New York Hospital. A turning point in New York-Cornell's major modernization project occurred on April 12, 1995, when the final beam of structural steel was hoisted atop the Hospital's new building.

The "topping off" celebration acknowledged the most visible evidence of the major modernization's great progress. But New York-Cornell has been charged with excitement at the achievement of more subtle milestones as well. Just two months earlier, the final FHA mortgage closing took place. Within the existing Hospital, several areas have already been remodeled as part of the larger plan, including a new corridor connecting the main Hospital to the C.V. Starr Pavilion, the inpatient unit of the Center for Special Studies, and the offices for the Department of Obstetrics and Gynecology.

As each concrete level is poured, the layout of the new Hospital becomes ever clearer. Pediatrics and obstetrics will occupy the sixth and seventh floors, respectively. The Burn Center will be located on the eighth floor. Floors two and three will house the surgical intensive care unit and the surgical pavilion. Surgeons and anesthesiologists have already appraised a mock-up of an operating room, offering insightful design and functional suggestions. The first floor will contain the Emergency Pavilion, with easy access for ambulances and adequate space for emergency parking.

The Medical College's modernization program also surged ahead with renovations of laboratories for the Department of Pathology. Located on the third and fourth floors of the College, the new laboratories will occupy 18,000 square feet. The design of the Weill Education Center came to fruition with its scheduled opening for August 1996.

When the new patient care units, and state-of-the-art research and education facilities are completed, an extraordinary staff of professionals will move in ready to continue what they do best -- provide patients with the highest quality care, train new physicians to take medicine into the 21st century, and locate the causes behind our most devastating diseases.

Network Know-How

If ever a good reason existed to establish the NYH Health Care Network, providing top-notch care to people in their own backyards ranks right up there. Judging by the new programs that have begun Network-wide, NYH's motivation for establishing a geographically dispersed, integrated delivery system was well-justified.

The Network has assisted member institutions in the development of programs that were previously out of their reach as a stand-alone facility. By pooling resources, Network institutions can now offer local residents the option of staying close to home for preventive, routine, or specialized care. But, when extraordinary measures are called for, patients have prompt access to the tertiary hub of the Network – The New York Hospital.

The New York Hospital Medical Center of Queens (NYHQ) is a perfect example. With Queens having the City's highest mortality rate, NYHQ was prompted to open the Cardiac Health Center -- the borough's only cardiac rehabilitation and risk reduction program -- and a cardiac catheterization laboratory. New York Methodist in Brooklyn now has a pediatric chest clinic to address the rising incidence of childhood asthma in urban areas. The Hospital for Special Surgery and United Hospital of Port Chester teamed up to establish an Orthopedics and Rheumatology Center, enhancing the level of musculoskeletal care available to United's suburban community. And when a 24-year-old Queens resident needed advanced treatment for Hodgkin's disease, his physician at NYHQ was able to call on New York Hospital's bone marrow transplantation program.

"These programs illustrate our efforts to support high-quality medical care for all metropolitan-area residents," says Network President George Vecchione. "An integrated delivery system which produces service excellence and is a true academic network is our Network's distinguishing feature."

Courtesy of New York Methodist Hospital

A young patient welcomes visitors to the new Family Health Center of New York Methodist Hospital, which extended its primary-care outreach program to residents of several Brooklyn communities.

New York-Cornell Meets the Press

LATE SPORTS New York Newsday

DRUG BUSTERS

Alarming rise in microbes antibiotics can't kill

By Laurie Garrett

Cabaret for Cures

New York Hospital benefit, Waldorf-Astoria, Feb. 24.

ABOVE 9:10 P.M.: FRANK A. BENNACK JR., president of the Hearst Corporation and an honored guest, left, with CHARLOTTE FORD, the co-chairwoman of the dinner-dance that benefited the medical center.

ABOVE 10 P.M. From left, JONATHAN MASON, ROSALIND M.

The New York Times

Leaping Hurdles, Hospital Reaches Halfway Mark

At New York Hospital site, many already have cause for pride.

By ALAN S. OSER

HALFWAY through New York Hospital's development and modernization program, many of the professionals associated with it are already looking back in satisfaction.

Drastic Changes Seen for Academia

"Skinner said that his own hospital has held costs far below the national double-digit rate of annual health care inflation."

The New York Times

New Approaches to Training Needed Now, Says Cornell Dean

Observing that "judgment comes only from experience, and experience comes only from bad judgment," psychiatrist and educator Robert Michels, M.D., vowed to tell an

thing," he explained. "A residency director who ignores training issues will graduate residents who can't get jo rector who ignores educa unable to recruit people gram."

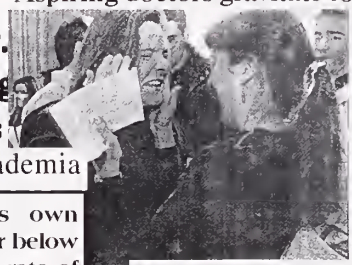
How will the emerging fect psychiatric educatio From here on, Michels em train psychiatrists whose will be distinctly differen life expectancy of roles much shorter than that of individuals entering the fi trists may need more tha fore they retire. The med young physicians he talks astic about the changes their specialties with their cians who have been prac 10 or 15 years, in contrast.

THE NEW YORK HOSPITAL–CORNELL MEDICAL CENTER, NEW YORK CITY

Outstanding in: Infertility

The hospital's Center for Reproductive Medicine and Infertility has one of the highest in-vitro country. treating plasmic

Aspiring doctors gravitate to primary care



Medical School in Newark, said her legs were shaking as she opened the envelope that told her where she would spend the next few years. She was elated when she saw her first choice — a residency in obstetrics and gynecology at New York Hospital-Cornell Medical Center.

"I always knew I wanted to do something in pri resident, 24 diatrics, bu obstetrics. I care and a l

Thomas sor at the learned he program in anger Med Although f the son of based his c sonally enjo "seeing whe me."

Only a t physicians

The New York Times

THE NEW YORK TIMES, Westchester Section

Hospital Marking Its 100th Year

The New York Times

The Associated Press

Fergie visits patients

The Duchess of York gives cancer patient Irving Pullerman a smack on the lips in return for a rose he presented her during her visit to New York Hospital Cornell Medical center Tuesday. Her Royal Highness visited adult and pediatric patients at the hospital.

Bloomingdale Hospital in 1894, t Cornell Medical Center traces its

By KATE STONE LOMBARDI

ONE hundred years ago Bloomingdale Hospital was open for public inspection here and The New York Times, under the headline "New Home for the Insane," found "everything was in the best of order, and the buildings and their management were praised by everyone."

Tomorrow, the ho now formally know York Hospital-Corne ter, Westchester Dr still referred to amo Bloomingdale s), wil doors to the public, th

New York-Cornell Offers Alternative To Avoid Hysterectomy

NEW YORK, NY - A unique alternative to hysterectomy, that is less invasive and less costly and that fully preserves the

dure where the uterus is scraped, or hormonal therapy. Often repeated D&Cs are tried. If these attempts fail, hysterectomy is

Healing the mind

New York Hospital-Cornell Medical Center marks 100 years of caring for the mentally ill.

By Randi Weiner
Staff Writer

The care of mentally ill people has changed dramatically over the past century, and for those 00 years, that change has been reflected in the cal residential psychiatric hospital.

The New York Hospital-Cornell Medical Center, estchester Division, first pened its doors to the men- lly ill in October 1894.

▶Hospital facts, 5A

er women a ternative to Bartsich said. seventy to e uncontrol- ems that are y D&C or e solved by rocedure." re among the rformed ma- operations. 000 are per- the United s 250,000 to ate cancers l problems. s are proba- ere bleeding

re is still not extent that Dr. Bartsich. both phys- themselves procedure's success."

Striking a Blow Against Stroke

Knowing the risk factors and warning signs is the first line of defense against 'the silent killer'

By COLETTE BOUCHEZ

DAILY NEWS

HIGH-TECH WEAPONS: Dr. Denise Barbut examines the brain scans of stroke victims.

FOUR months, it has threatened the life of Lubavitcher leader Rabbi Menachem Schneerson. Ten days ago it did claim the life of former President Richard Nixon.

The enemy is stroke, the nation's third-leading cause of death. Each year, some half million Americans suffer stroke, with more than 143,000 dying as a result, according to the American Heart Association's (AHA) newly published book, Family Guide to Stroke (Times Books, $23).

What makes stroke especially deadly is that it can strike without warning, and usually causes no pain.

"Stroke is a silent killer, as the events leading up to it and the factors increasing its risk are often with out symptoms," reports Dr. Denise Barbut, director of the Stroke Center at New York Hospital-Cornell Med-

risk being re- genetic factor protein anti- blood flow certain members to seizes. Scientists hope a blood test for this factor will become available soon, helping identify patients at increased risk for stroke.

Unraveling the mysteries of why strokes occur is one thing, doing something about them once they happen is another. Fortunately, there are new medications that, if given early enough can prevent many of the complications of stroke, and could even be lifesaving.

Among the newest is a compound called NMDA, currently in clinical trials at New York Hospital-Cornell

AIDS Plan for Poor Seen as a Model for Other Ills

By MIREYA NAVARRO

For Gilbert Washington, a man disabled by AIDS, making ends meet is a daily struggle. Money is so tight that at the end of the month there is seldom enough left even to catch a movie.

But when Mr. Washington gets sick, his care is first class. At New York Hospital in Manhattan he has a team of doctors, social workers and psychologists who worry not only about his disease but whether he has adequate blood checked at the outpatient clinic or is battling an infection in the hospital, the same familiar faces take care of him.

"I've never been treated like that," the 45-year-old patient says. "It helps you heal."

Less than a decade after AIDS patients were largely shunned by a medical community that either feared them or lacked the training to help them, many in New York State are now en-

The New York Times

THE NEW YORK TIMES MAGAZINE

Dr. Joseph J. Fins

Every day physicians and healthcare professionals face ethical dilemmas in their clinical practice which can have a profound impact on patients and their families. As the Director of Medical Ethics, a newly established position at The New York Hospital, Dr. Joseph Fins will help his colleagues with these pressing issues. Dr. Fins is a practicing clinician who teaches medical ethics to students, residents, and attending staff.

Dr. M. Suthanthiran

The New York Hospital and The Rogosin Institute have joined forces to create the Department of Transplantation Medicine and Extracorporeal Therapy, with Dr. Manikkam Suthanthiran at the helm. The new department enhances the care available to patients with kidney disease. Dr. Suthanthiran, who is Professor of Medicine, Biochemistry, and Surgery at CUMC, has also been named New York-Cornell's Chief of Nephrology.

1994 Cornell Scholars

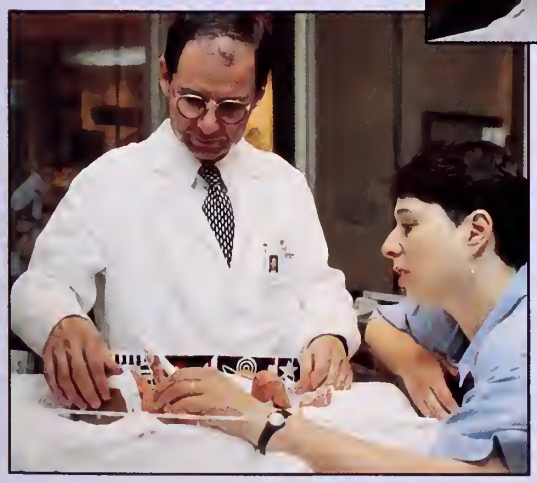
Better understanding of Alzheimer's disease, retinal disorders, and basic cell transport are the ultimate research goals of three recently named Cornell Scholars: Drs. Xin-Yun Huang, Ching-Hwa Sung, and Patrick Brennwald. The Cornell Scholars Program, initiated by the Medical College in 1984, provides promising researchers with $200,000 of unrestricted support over a three-year period.

Dr. David E. Wesson

When the Medical Center's tiniest and youngest patients need surgery, parents can take comfort in the presence of Dr. David Wesson, the new Chief of Pediatric Surgery. Dr. Wesson is a recognized leader in pediatric trauma, with particular research interests in its epidemiology and in community-based injury prevention programs. He has also been named Professor of Surgery at CUMC.

Dr. James H. Grendell

The prevention and early detection of gastrointestinal cancer, and the evaluation and treatment of swallowing disorders are among the programs planned by New York-Cornell's new Chief of the Division of Digestive Diseases -- Dr. James Grendell. Dr. Grendell, Professor of Medicine at CUMC, is a noted authority on pancreatic diseases.



Dr. Subhash C. Gulati

As the new Director of the Bone Marrow Transplantation Program at New York-Cornell, Dr. Subhash Gulati is replacing despair with hope for patients with advanced forms of cancer. A pioneer in the field, Dr. Gulati has a distinguished research record, and is recognized worldwide for furthering the use of autologous bone marrow transplantation. Dr. Gulati is Professor of Medicine at CUMC.

January The Hospital's AIDS inpatient unit moves into new, state-of-the-art facilities on the 17th floor of the Baker Pavilion.

February An engineering marvel takes place on February 5 as the first segment of the platform — a mere 760 tons — for New York Hospital's new building is placed on columns on either side of the F.D.R. Drive.

Her Royal Highness the Duchess of York, Sarah Ferguson, tours several areas of the Hospital, including the Burn Center.

CUMC introduces the latest in MRI technology to midtown with the opening of its three-level, 11,000-square-foot facility at 416 East 55th Street.

The opening of the Cystic Fibrosis Gene Therapy Research Center funded by the National Heart, Lung, and Blood Institute is celebrated by the College.

Friends of the Medical Center gather at the Waldorf-Astoria for Cabaret '94 to support the *New Horizons for Medicine* campaign.

March The "Breath of Spring" dinner benefit raises over $150,000 for the Millennium Fund 2000 of the Children's Asthma and Allergy Center.

April Dr. Maria New, Chairman of the Department of Pediatrics and Pediatrician-in-Chief, receives New York-Cornell's highest honor — the Maurice R. Greenberg Distinguished Service Award.

The Salzburg-Cornell Seminars, which bring together physicians in Eastern Europe with their Western peers for updates on current medical techniques and research, continue with a program focusing on neuroscience.

May The Medical Center sponsors Employee Recognition Day celebrating the contributions and commitment employees make to patient care and academic excellence.

Students of CUMC and the Graduate School of Medical Sciences hold their spring blood drive.

The Division of Nursing celebrates National Nurses Week, which features a presentation by Congressman Peter King.

Dr. Robert Michels and Frank Rhodes preside over commencement ceremonies at which 92 M.D. degrees and 24 Ph.D. degrees are awarded.

June Mayor Rudolph Giuliani presents Dr. Michael Madden, Clinical Director of the Burn Center, with the New York City Fire Department Medal, one of the highest awards given for valorous service. Dr. Madden is only the second civilian to receive the Department's Medal since it was first awarded in 1911.

Dr. David Skinner, President of The New York Hospital, begins a one-year term as Chairman of the Greater New York Hospital Association, which represents 167 hospitals and long-term care facilities in the metropolitan area.

"Financing Medical Education" is the subject of a CUMC symposium featuring keynote speaker Dr. C. Everett Koop, former U.S. Surgeon General.

Theater impresario Anna Sosenko, hospitalized for a surgical procedure, greets her friend Diana Rigg, the British actress and Tony Award winner.

Some 900 women arrive at Lincoln Center's Damrosch Park for the Chanel Fashion Show, which benefits the Department of Obstetrics and Gynecology.

1994

July New York City Councilman Charles Millard presents a $2,500 donation to the Department of Social Work for its rape crisis intervention program.

The second annual Multi-Ethnic Drug Abuse Prevention Conference is held by CUMC's Institute for Prevention Research.

Anne Alexis Coté, Vice President for Nursing, is honored for her 28-year career in nursing and patient advocacy at The New York Hospital.

August Fifty-one men and fifty women representing the CUMC class of 1998 are welcomed to the medical campus during opening day ceremonies, which featured Dr. John Daly, Chairman of the Department of Surgery, as the keynote speaker. ▶

Social work and nursing services for children with AIDS receive a boost thanks to a $100,000 gift from the Foundation for the Treatment of Children With AIDS.

September The 1994 Women's Health Symposium features keynote speakers Bernadette Castro and Gloria Steinem addressing the topic of "Reinventing Yourself: Adjusting to Life's Ages and Stages."

The Medical Center honors members of the Lasdon Foundation for its support of the Weill Education Center and the Department of Public Health of the Medical College.

Dr. Aaron Marcus receives the 1994 Bristol-Myers Squibb Award for Distinguished Achievement in Cardiovascular Research.

October The Westchester Division holds its centennial celebration.

CUMC is selected as the only New York City medical school to participate in the Josiah Macy, Jr. Foundation Minorities in Medicine Program, which is aimed at increasing the number of minority physicians in the U.S.

The ninth Fête de Famille to benefit AIDS treatment and research is held at Mortimers. ▶ Present are funding chairmen Judith Peabody, Casey Ribicoff, Glenn Bernbaum, Nancy Kissinger, and Bill Blass.

Philip Minott

November New York Hospital receives the largest mortgage insurance commitment in the history of the Federal Housing Authority.

◀ Gilberto Hinds, R.N., a pediatrics AIDS nurse, receives the "Wholeness of Life" Award from the Hospital Chaplaincy at its annual dinner.

CUMC hosts an international forum on healthcare issues featuring Dr. Robert Michels and healthcare experts from England and Germany.

"Medical Care for the 90's and Beyond" is the topic for the ▶ featured panel discussion at Visitors' Day.

Jets quarterback Boomer Esiason and Her Royal Highness The Duchess of York, who served as honorary chair, were on hand at F.A.O. Schwarz to support "Light Up A Life," which benefits the Department of Pediatrics.

December New York-Cornell honors the Will Rogers Institute for their long-standing and generous support and commitment to pulmonary research at a ceremony dedicating a plaque in their name.

Maurice R. Greenberg completes a seven-year tenure as Chairman of the Board of Governors of The New York Hospital.

Nineteen ninety-four was the most successful fundraising year in New York-Cornell's history. With nearly $104 million raised by year's end, the Medical Center's *New Horizons for Medicine* capital campaign total had reached $324 million.

We believe New York-Cornell's $600-million campaign remains the largest undertaken by an academic medical center in this country. The *New Horizons* campaign — which aims to raise some $200 million for Cornell University Medical College and the Graduate School of Medical Sciences, plus another $400 million for The New York Hospital — was announced publicly in September 1993. It is an excellent indicator of institutional success that, only 15 months into the campaign, more than half the goal has been achieved.

Frank A. Bennack Jr., Charlotte Ford, and Sanford I. Weill at Cabaret '94.

The New York Hospital's major modernization fundraising projections were surpassed, with over $55 million contributed in 1994. This brought total gifts for this ambitious building program to approximately $143 million by late December. Cornell University Medical College has raised some $35 million for its priorities — including endowments, scholarships and fellowships, library funds, expendable programmatic funds, and facilities. In addition, a far-reaching strategic plan was developed this year, drawing on expertise from every level within the Medical College, to assure the institution's excellence into the next century. As a result, there will be many new education, research, and patient care initiatives of interest to future donors.

Three important challenge programs offered significant incentives to Medical Center donors. On July 26, 1994, an extraordinary $15-million grant from the Starr Foundation and its Chairman, Maurice R. Greenberg, challenged the Hospital's Board of Governors to raise an equal amount. Within a month, the challenge was met through the generosity of 36 Governors and Life Governors, and 14 other friends of the Medical Center. Mr. Greenberg and the Starr Foundation trustees were so impressed with this success during the traditionally slow month of August that another $5 million was added to the gift.

The Medical College was the beneficiary of two Cornell University challenge programs. Offered by anonymous donors, the Cornell Leadership Endowment Challenge matched on a 1:3 basis gifts of at least $30,000 for named scholarships and discretionary funds — raising $1.6 million and garnering $543,267 in matching funds by the end of October. A second Cornell challenge program enhanced fundraising for the endowment of existing positions at the Medical College.

In May 1994, the Joint Campaign Committee, under the leadership of Frank A. Bennack Jr. and Sanford I. Weill, formed a Corporate and Foundation Subcommittee. Co-chaired by Ronald P. Lynch and John F. McGillicuddy, this group has been highly effective in soliciting gifts and advocating the Medical Center's mission within the corporate and foundation communities. A staff campaign, overseen by the Faculty/Physician Subcommittee, is under development.

New York-Cornell's extensive program of special events involved many volunteers and attracted new friends to the institution. The Women's Health Symposium on September 26, 1994, drew an enthusiastic audience of more than 400 to hear presentations by Gloria Steinem, Bernadette Castro Guida, and several Medical Center physicians. The ninth annual Fête de Famille, held

Boomer Esiason and the Duchess of York celebrate "Light Up A Life."

on October 4, was an unqualified success. Some 700 people attended, and more than half a million dollars was raised for New York-Cornell's vital AIDS programs in the Center for Special Studies. Visitors' Day was co-chaired by Mimi W. Coleman and Dr. O. Wayne Isom on November 3. And the perennially popular Department of Pediatrics benefit, "Light Up A Life," drew a large crowd to F. A. O. Schwarz on November 9. Her Royal Highness the Duchess of York served as honorary chair, and Boomer Esiason was the special guest.

The campaign has seen many successes in the past year. We are now working hard to prepare for the next, crucial phase and to maintain the energy which enabled our achievements thus far. During these times of profound changes in healthcare, the worth of our institution becomes increasingly clear. I thank all those who have given so selflessly of their time, energy, and resources. With your continued involvement, together with that of our other countless supporters and friends, we can ensure that The New York Hospital-Cornell Medical Center remains in the vanguard of American medicine.

Sue B. Dorn
Vice President and
Vice Provost for Development

Facts and Financials

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Important Telephone Numbers
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Statistical Summary

The New York Hospital-Cornell Medical Center

Services to Patients

Laboratory	3,476,639
Blood Bank	419,148
Radioisotopes Services	94,437
X-ray Procedures	143,594
Operations	23,386
Deliveries	4,461
Electrocardiograms	74,316
Electroencephalograms	5,454
Social Services Interviews	406,235
Therapy Treatments (Physical, Occupational, Recreational)	289,802
Transfusions	26,538
Pharmacy Prescriptions	4,231,163
Record Room - New Case Records	63,075
Average Number of Full-Time Employees	6,297

Distribution of Beds

Private	
Baker-Medicine	77
Baker-Surgery	41
Obstetrics and Gynecology	29
Pediatrics	5
Total Private	152
Semi-Private	
Medical/Surgical	442
Two-Bed Baker-Medicine	61
Two-Bed Baker-Surgery	33
Urology	26
Obstetrics and Gynecology	59
Pediatrics	107
Total Semi-Private	728
Sub-Total Manhattan Division	880
Newborn Bassinets	44
Payne Whitney Clinic	108
Total Manhattan Division	1,032
The Westchester Division	322
Grand Total	1,354

Patient Care

Patients Admitted Manhattan Division (including neonatal admissions)	32,234
Newborn	4,128
Payne Whitney Psychiatric Clinic	1,028
The Westchester Division	2,601
Total	39,991
Patient Days, All Divisions (including newborn)	404,448
Visits to Day Hospital	22,842
Visits to Outpatient Clinics	238,937
Visits to Emergency Pavilion	52,708

Educational Program 1994-1995

Medical Students	407
Graduate Students	217
M.D.-Ph.D. Students (medical and graduate enrollments)	82
Degrees Conferred (1994-95 academic year)	135
M.D.	108
Ph.D.	24
M.S.	3
Faculty (including all affiliates - 1994-95 academic year)	3,563
Full-Time	1,572
Part-Time	80
Voluntary	1,517
Other (adjunct, visiting, emeritus, etc.)	394
Clinical Fellows	128
House Staff (NYH-CMC only)	541
Health-Related Students:	
Dental Hygienists	3
Dietetic Interns	23
Emergency Medical Technicians	31
Medical Social Workers	30
Physician Assistants	39
Samuel J. Wood Library/C.V. Starr Biomedical Information Center (1994-95 academic year)	
Visits	479,796
Journals (titles)	1,584
Total Volumes	164,357
New Books Received	1,885

Profile of Entering Medical Students

September 1994 (101 enrolled out of applicant pool of 6,354)

Men	51
Women	50
Minorities	15
New York State Residents	36
College Majors	Science (60%); Non-Science (40%)
Mean Grade Point Average	3.53
Average Age	24
Age Range	21 - 38
Universities With Five or More Graduates Admitted:	
Cornell	25
Harvard	13
Yale	8
University of Pennsylvania	7
UCLA	6
Students Enrolled in Tri-Institutional M.D.-Ph.D. Program	12

Research

July 1, 1993 - June 30, 1994

Federally Sponsored Research (including fellowship and research training) - Total Expenditures	$56,360,063
Privately Sponsored Research - Total Expenditures	$19,777,117
Research Projects Funded - New and Renewals	365

Financial Summary

The New York Hospital-Cornell Medical Center

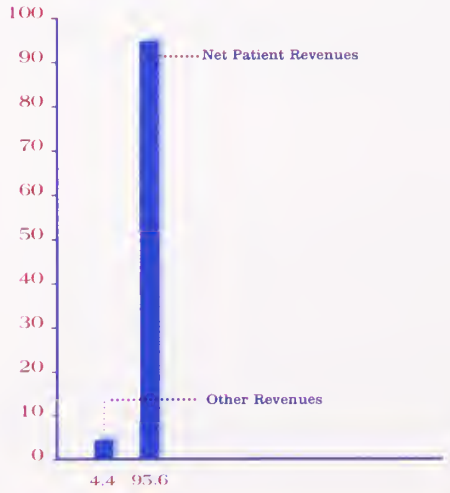
The Society of the New York Hospital

January 1 - December 31, 1994

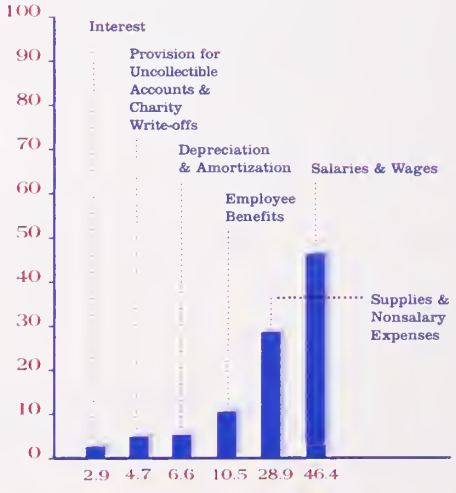
Revenues	$ Millions	%
Net Patient Revenues	613.7	95.6
Other Revenues (Excluding donations)	28.1	4.4
Total Revenues	**$641.8**	**100.0%**

Expenses		
Salaries and Wages	291.9	46.4
Employee Benefits	65.8	10.5
Supplies and Nonsalary Expenses	181.7	28.9
Provision for Uncollectible Accounts and Charity Write-offs	29.5	4.7
Interest	18.2	2.9
Depreciation and Amortization	41.8	6.6
Total Expenses	**$628.9**	**100.0%**
Revenues in Excess of Expenses	**$12.9**	

Revenues as a Percentage of Total Patient Care and Other Revenues



Expenses as a Percentage of Total Expenses

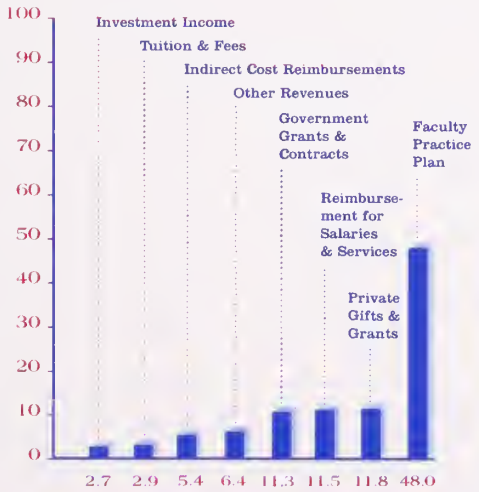


Cornell University Medical College

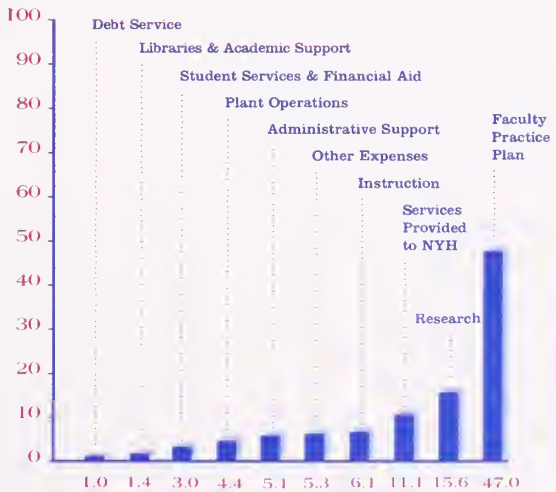
July 1, 1993 - June 30, 1994

Revenues	$ Millions	%
Tuition and Fees	10.8	2.9
Government Grants and Contracts	42.3	11.3
Private Gifts and Grants	44.2	11.8
Faculty Practice Plan	180.5	48.0
Indirect Cost Reimbursements	20.4	5.4
Reimbursement for Salaries and Services	43.2	11.5
Investment Income	10.1	2.7
Other Revenues	24.1	6.4
Total Revenues	**$375.6**	**100.0 %**
Expenses		
Instruction	22.2	6.1
Research	56.9	15.6
Faculty Practice Plan	170.9	47.0
Libraries and Academic Support	5.1	1.4
Student Services and Financial Aid	10.8	3.0
Administrative Support	18.6	5.1
Plant Operations	16.2	4.4
Debt Service	3.8	1.0
Services Provided to New York Hospital	40.4	11.1
Other Expenses	19.2	5.3
Total Expenses	**$364.1**	**100.0 %**
Net Change in Fund Balances	**$11.5**	

Revenues as a Percentage of Total College Revenues



Expenses as a Percentage of Total College Expenses



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Chiefs of Service at The New York Hospital, with the exception of the Physiatrist-in-Chief, serve as chairmen of corresponding clinical departments of Cornell University Medical College. Physicians at the Hospital have faculty appointments in the Medical College. For the sake of simplicity, however, the Medical Center's clinical faculty are listed here by their hospital titles only and not by their academic titles.

In addition to the clinical departments, the Medical Center also has basic science departments. Since the work of these departments consists almost entirely of teaching and research, many basic science faculty do not have hospital appointments. They are, therefore, listed by academic title under the Cornell University Medical College faculty listing beginning on page 38.

The Medical Center has affiliations with a number of institutions, including The Hospital for Special Surgery, Burke Rehabilitation Hospital, Memorial Sloan-Kettering Cancer Center, The Rogosin Institute, Strang Cancer Prevention Center, The New York Hospital Medical Center of Queens, New York Methodist Hospital, The New York Community Hospital of Brooklyn, Inc., United Hospital Medical Center, Gracie Square Hospital, the Will Rogers Institute, St. Barnabas Hospital, LaGuardia Hospital, Jamaica Hospital, North Shore University Hospital, Catholic Medical Center of Brooklyn and Queens, and Blythedale Children's Hospital. Because of space limitations, professional staff at these institutions who do not have New York Hospital appointments are not listed in the following pages.

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(January 1995)

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Emmy Lu, M.D.
Mahmood Mosaddeghi, M.D.
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Naomi Friedman
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James D. Luketich, M.D.

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DERMATOLOGY

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George W. Hambrick Jr., M.D.

Leave of Absence
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Marina I. Peredo, M.D.
Stacy P. Salob, M.D.
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Babette B. Weksler, M.D.

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Phillip E. Romero, M.D.
Kenneth P. Rosenberg, M.D.
Diane C. Rudolph, M.D.
George A. Sagi, M.D.
Larry S. Sandberg, M.D.
Elissa M. Sanders, M.D.
David H. Sawyer, M.D.
Lynn Schackman, M.D.
Ellen K. Schlefer, M.D.
Ann W. Schongalla, M.D.
Orsolina Sepe, M.D.
Ludovit Sevcik, M.D.
Pamela Felder Sicher, M.D.
Mary Sickles, M.D.
Howard B. Simon, M.D.
Lisa Sinsheimer, M.D.
Wlodzimierz Skrajnowski, M.D.
Lisa Sombrotto, M.D.
Ladd Spiegel, M.D.
Madeleine Stam, M.D.
Holly A. Swartz, M.D.
Michael H. Swirsky, M.D.
Judith Hertz Tanenbaum, M.D.
Mary G. Versfelt, M.D.
Grace C. Vigilante-Barron, M.D.
Eileen R. Wachter, M.D.
Meredith C. Walgren, M.D., Ph.D.
Joseph S. Weiner, M.D., Ph.D.
Martin Wilner, M.D.
Robert L. Wolski, M.D.
Randee Sue Wysoki, M.D.
Maurizio Zambenedetti, M.D.
Eric K. Zitzmann, M.D.

Attending Psychologists
Michael Beldoch, Ph.D.
Gilbert J. Botvin, Ph.D.
John F. Clarkin, Ph.D.
M. David Clayson, Ph.D.
Herbert Fensterheim, Ph.D.
Walter Kass, Ph.D.
Armand W. Loranger, Ph.D.
William H. Redd, Ph.D.
John M. Ross, Ph.D.
Saul Scheidlinger, Ph.D.
Herbert J. Schlesinger, Ph.D.

Associate Attending Psychologists
Anna M. Antonovsky, Ph.D.
Mary M. Fitzpatrick, Ph.D.

Howard I. Glazer, Ph.D.
James W. Hull, Ph.D.
Stephen W. Hurt, Ph.D.
Herbert H. Krauss, Ph.D.
Bernard Landis, Ph.D.
Ruth F. Lax, Ph.D.
Robert L. Leahy, Ph.D.
Deborah A. Perlick, Ph.D.
Michel Radomisli, Ph.D.
Gail Ross, Ph.D.
Fred Schwartz, Ph.D.
Jonathan H. Weiss, Ph.D.

Assistant Attending Psychologists
William H. Berman, Ph.D.
Elsa J. Blum, Ph.D.
June E. Blum, Ph.D.
Thomas B. Boland, Ph.D.
Susan Bram, Ph.D.
Betty Buchsbaum, Ph.D.
Beth Caton, Ph.D.
Audrey J. Clarkin, Ph.D.
Marylene Cloitre, Ph.D.
Martin V. Cohen, Ph.D.
Katherine Dalsimer, Ph.D.
Peter Deri, Ph.D.
Diana Diamond, Ph.D.
Katie Eisenstadt, Ph.D.
Ellen A. Farber, Ph.D.
Jerome L. Fine, Ph.D.
Priscilla H. Fishler, Ph.D.
Baruch Fishman, Ph.D.
William L. Golden, Ph.D.
George Greenberg, Ph.D.
Stephen C. Josephson, Ph.D.
Priscilla F. Kauff, Ph.D.
Jerry Lanoil, Ph.D.
Zoe L. Lazar, Ed.D.
Alexander H. Levi, Ph.D.
David A. Lord, Ph.D.
I. Barry Lorinstein, Ph.D.
Mary A. Luallen, Ph.D.
Sharon Lyn Manne, Ph.D.
Eric Mendelsohn, Ph.D.
Sharon G. Nathan, Ph.D.
Michael A. Perelman, Ph.D.
William Picker, Ph.D.
Stephen Reich, Ph.D.
James C. Rembar, Ph.D.
Jeffrey A. Rudolph, Psy.D.
Cynthia J. Sanderson, Ph.D.
Edward J. Schork Jr., Ph.D.
Margaret E. Snow, Ph.D.
Roger J. Sowala, Ph.D.
Lyle Tucker, Ph.D.
Alan S. Weiner, Ph.D.
Jutta V. Weiss, Ph.D.

Professional Associates (Psychology)
Katharina Anger, Ph.D.
Kenneth Barish, Ph.D.
Janelle M. Bessette, Ph.D.
Rachel W. Bush, Ph.D.
Daniel C. Carpenter, Ph.D.
Saralea E. Chazan, Ph.D.
Jonathan C. Cohen, Ph.D.
Neill S. Cohen, Psy.D.
Andrea Deutsch, Ph.D.
Jeanne C. Dietrich, Ph.D.
Patricia Doyle, Ph.D.
Carolyn Feigelson, Ph.D.
Marta Pearl Flaum, Ph.D.
Barbara L. Flye, Ph.D.
Christine E. Foertsch, Ph.D.
Robin E. Gibbs, Ph.D.
Lisa K. Gornick, Ph.D.
Laura Josephs, Ph.D.
Melanie A. Katzman, Ph.D.
Erin I. Kleifield, Ph.D.
Jonathan Krieger, Ph.D.
Robert S. Kruger, Ph.D.
Michael McKee, Ph.D.
Harriet N. Mischel, Ph.D.
Jamie S. Ostroff, Ph.D.
Steven D. Passik, Ph.D.
James L. Rebeta, Ph.D.
Aynn B. Rosen, Ph.D.
Martin N. Seif, Ph.D.
Edward N. Shearin, Ph.D.
Jo Anne Sirey, Ph.D.
Phyllis L. Sloate, Ph.D.
Elaine H. Tulis, Ph.D.
Susan Wagner, Ph.D.
Tania Zazula, Ph.D.

Professional Associates (Psychiatry)
Janet Baumann, C.S.W.
Diane Girdwoyn Caspe, M.S.
Winifred R. Christ, D.S.W.
Philip A. Garippa, M.S.W
Dianne Heller Kaminsky, C.S.W.
Elaine Kleinbart, M.S.W
Randy Lehrer, C.S.W.
Ruth Ellen Mendelowitz, M.S.W.
Verena Michels, M.S.W.
Arlene Novick, M.S.W.
Synthia Pommiss, M.S.W.
Mary Jenness Raine, Ph.D.
Saul D. Raw, M.S.W.
Jo Rosenberg Hariton, M.S.W.
Estelle Schecter, M.S.W.
Jody M. Shachnow, M.S.W.
Nina Shilling, M.S.W.
Doris M. Sisley, M.S.W.
Judith A. Sokol, M.S.W.
Frances D. Thurston, M.S.W.
Phyllis Urman-Klein, Ph.D.

Professional Associate (Podiatry)
John Cappa, D.P.M.

GRADUATE STAFF

Payne Whitney Psychiatric Clinic

Clinical Fellow
Michelle Rottenstein, M.B.B.S.

Psychiatrist
Bruce W. Phariss, M.D.

Assistant Psychiatrists (Child Psychiatry)
Elizabeth E. Feigelson, M.D.
Nina Freund, M.D.
Shulamit S. J. Glaubach, M.D.
Clarence D. Perry, M.D.
Sarita Singh, M.D.
Beverly Jean Stoute, M.D.

Assistant Psychiatrists
Rosaline N. Ahkami, M.D.
Brian A. Aslami, M.D.
Mary E. Barber, M.D.
Kathryn E. Beyrer, M.D.
Bernard Buchanan, M.D.
Michael C. Dulchin, M.D.
Reuven Ferziger, M.D.
Joseph F. Goldberg, M.D.
Pablo H. Goldberg, M.D.
Martin Goldstein, M.D.
Michael F. Grunebaum, M.D.
Sharon Hird, M.D.
Nicholas A. Holliday, M.D.
Richard J. Kassner, M.D.
Angela B. Kedzior, M.D.
Adrienne E. Lederer-Freedland, M.D.
Diana M. Martinez, M.D.
Nina McGowan, M.D.
Cathy A. Mercaldi, M.D.
Anna Miari, M.D.
Elizabeth M. Mirabello, M.D.
Darlene M. Mitera, M.D.
Chloe Nims, M.D.
Sarah Paul, M.D.
Lisa A. Piazza, M.D.
Joan Birnberg Pincus, M.D.
Sarah M. Ricketts, M.D.
Carol A. Roeloffs, M.D.
Laurence R. Saul, M.D.
Jennifer F. Schreiber, M.D.
William D. Sobel, M.D.
Tanaquil T. Taubes, M.D.
Mary E. Theodore, M.D.
Wendy L. Turchin, M.D.
Lena Verkhovsky, M.D.
Mark A. Yarbrough, M.D.
Thomas S. Zaubler, M.D.

Westchester Division

Assistant Psychiatrists (Child Psychiatry)
Vanita Braver, M.D.
Lina Guertin, M.D.
Richard Hill, M.D.
Ilana Lyubling Karpenos, M.D.
Joyce Z. Pere, M.D.

Assistant Psychiatrists
Bienvenida S. Austria, M.D.
Francis L. Cancellieri, M.D.
Kenneth R. Cohen, M.D.
Joseph P. Damore Jr., M.D.
Diane DiGiacomo, M.D.
Dominic J. Ferro, M.D.
Cornelia L. Gallo, M.D.
Amarsingh M. Ghorpade, M.D.
Judith Gordon-Lendvay, M.D.
Lucy Gorelli, M.D.
Patricia M. Halligan, M.D.
Rosalind G. Hoffman, M.D.
Anri A. Kissilenko, M.D.
Richard V. Korongy, M.D.
Ubaldo Leli, M.D.
Celia F. Mann-Catan, M.D.
Monique Masse, M.D.
Antonio P. Menchaca, M.D.
Samad E. Namin, M.D.
John A. Nazarian, M.D.
Alfredo Nudman, M.D.
Alphonse D. Osinski, M.D.
Luis R. Polo, M.D.
Santhi S. Ratakonda, M.D.
Jose R. Riefkohl, M.D.
Meryl B. Rome, M.D.
Wendy W. Rosen, M.D.
Faye Teichman, M.D.
Jeffrey S. Winseman, M.D.
Ann Marie Woo-Ming, M.D.
Xiao Lei Yu, M.D.

RADIOLOGY

Acting Radiologist-in-Chief and Acting Chairman
Michael D. F. Deck, M.D.

Attending Radiologists
Mostafa A. Batata, M.D.
David V. Becker, M.D.
Paula W. Brill, M.D.
Florence Chien-Hwa Chu, M.D.
John A. Evans, M.D.
Robert H. Freiberger, M.D.
Amy Beth Goldman, M.D.
Antonio F. Govoni, M.D.
David B. Hayt, M.D.
Claudia I. Henschke, M.D., Ph.D.
Jeremy J. Kaye, M.D.
Elias Kazam, M.D.
Lourdes Nisce, M.D.
Helene Pavlov, M.D.
Thomas A. Sos, M.D.
Patricia Winchester, M.D.
Robert D. Zimmerman, M.D.

Associate Attending Radiologists
Barbara Lucile Binkert, M.D.
Sheila D. Davis, M.D.
Robert L. DeLaPaz, M.D.
Bernard Ghelman, M.D.
Linda A. Heier, M.D.
James R. Hurley, M.D.
John A. Markisz, M.D.
William A. Rubenstein, M.D.
Robert Schneider, M.D.
George Stassa, M.D.
Karen Weingarten, M.D.
David F. Yankelevitz, M.D.

Assistant Attending Radiologists
Steven A. Albert, M.D.
Mark R. Armstrong, M.D.
Young Hee Choi, M.D.
Carlos G. Forcade, M.D.
Shulamith Goldberg, M.D.
Jasbir Grewal, M.D.
Alison Bender Haimes, M.D.
Paul Himelfarb, M.D.
James C. Hirschy, M.D.
Lisa A. Intriere, M.D.
Marcy B. Jagust, M.D.

Edward J. Kaplan, M.D.
Richard J. Katz, M.D.
Neil M. Khilnani, M.D.
Young Sook Kim, M.D.
George Krol, M.D.
Miriam Levy-Ravetch, M.D.
Charlynn C. Maniatis, M.D.
Hollis G. Potter, M.D.
Elizabeth Ramirez de Arellano, M.D.
Michelle D. Rossmann, M.D.
Paula Montgomery Rothaus, M.D.
Stanley N. Schatzman, M.D.
Michael J. Schnur, M.D.
Craig H. Sherman, M.D.
Donald M. Stavis, M.D.
Helene R. Tapper, M.D.
David W. Trost, M.D.
Austin Wand, M.D.
James R. Wong, M.D.

Attending Physicists (Nuclear Medicine)
Rodney E. Bigler, Ph.D.
Pat Zanzonico, Ph.D.

Professional Associate (Physics)
Stephen Balter, Ph.D.

GRADUATE STAFF

Clinical Fellows
Ahmet M. Agildere, M.D.
Phillip F. Bahramipour, M.D.
Jack E. Burson, M.D.
Joseph P. Comunale Jr., M.D.
William D. Donovan, M.D.
Brian D. Gale, M.D.
Kim S. Hwang, M.D.
Rekha D. Iyengar, M.D.
Marc L. Jouandet, M.D., Ph.D.
Jill H. Kingsly, M.D.
Allan Jay Klinger, M.D.
Doohi Lee, M.D.
Bonnie Lynn Litvack, M.D.
Robert C. Mallela, M.D.
Eric S. Minkin, M.D.
Tracy E. Napp, M.D.
Douglas M. Noble, M.D.
Peter Roumanas, M.D.
Lawrence G. Seltzer, M.D.
Surendra Kumar Verma, M.B.B.S.
Cipriano Lim Yap, M.D.

Assistant Radiologists (Nuclear Medicine)
Deardre R. Chao, M.D.
Richard S. Jennis, M.D.

Assistant Radiologists
Dawn E. Baker, M.D.
Ermelinda Bonaccio, M.D.
Nanette Bracero, M.D.
Kenneth E. Brumberger, M.D.
Pamela Burdett, M.D.
Bruce G. Campbell, M.D., Ph.D.
Debra Ann Chiarella, M.D.
Sara M. Durfee, M.D.
Timothy L. Feng, M.D.
Christopher G. Filippi, M.D.
Eric J. Gandras, M.D.
Catherine Streeto Giess, M.D.
Stephen D. Go, M.D.
David R. Gruen, M.D.
Peter B. Gusmer, M.D.
Simone Kahn, M.D.
Lori H. Kelly, M.D.
Patricia A. Kim, M.D.
Linda R. LaTrenta, M.D.
Michael Macari, M.D.
Rene Paul Manzo, M.D.
Gustavo A. Mercier Jr., M.D.
Jonathan M. Messinger, M.D.
Robert J. Min, M.D.
Melanie Moses, M.D.
Ingrid L. Ott, M.D.
Lynne P. Pinkney, M.D.
Maria C. Davila Shiau, M.D.
Lawrence Emil Steinbach, M.D.
Steven L. Topham, M.D.
Shari-Lynn Umlas, M.D.
Priscilla A. Winchester, M.D.

REHABILITATION MEDICINE

Physiatrist-in-Chief
Willibald Nagler, M.D.

Leave of Absence
Irene von Estorff, M.D.

Assistant Attending Physiatrists
Mark P. B. Bodack, M.D.
Hilary B. Kern, M.D.
Elisabeth A. Lachmann, M.D.
Sheryl R. Levin, M.D.
Steven G. Marini, M.D.
Richard Tunkel, M.D.

Clinical Affiliates
Andrew D. Brown, M.D.
Patrick M. Corcoran, M.D.
Isabella Maria Rampello, M.D.
Dae-Sik Rho, M.D.
Barry C. Root, M.D.
Alexander C. Simotas, M.D.
Peter H. Stern, M.D.

Professional Associates (Rehabilitation Medicine)
John S. Ferrari
H. Richard Lehneis, Ph.D.
Dorene Tellerman

Professional Associate (Podiatry)
Michael Polchaninoff, D.P.M.

GRADUATE STAFF

Assistant Physiatrists
Debra L. Braverman, M.D.
Adrienne A. Denese, M.D., Ph.D.
Estelle R. Farrell, D.O.
Alicia S. Ferraro-Herrera, M.D.
Harris S. Hausen, M.D.
Allison P. Henry, M.D.
Aubrey Y. Ku, M.D.
Melanie M. Montemayor, M.D.
Siobhan G. O'Connor, M.D.
F. Marlene Perez, M.D.
Sarosh M. Quereshy, M.B.B.S.
Robert A. Schulman, M.D.
Ranee M. Shenoi, M.D.
Vijay B. Vad, M.D.

SURGERY

Surgeon-in-Chief and Chairman
John M. Daly, M.D.

GENERAL SURGERY

Leave of Absence
Timothy S. Melester, M.D.

Attending Surgeons
Roy H. Ashikari, M.D.
Murray F. Brennan, M.D.
Jhoong S. Cheigh, M.D.
Jerome J. DeCosse, M.D., Ph.D.
Philip R. Exelby, M.D.
Stephen F. Lowry, M.D.
John L. Madden, M.D.
Charles K. McSherry, M.D.
Michael P. Osborne, M.D.
Walter F. Pizzi, M.D.
S. Frank Redo, M.D.
Robert R. Riggio, M.D.
Albert L. Rubin, M.D.
Kurt H. Stenzel, M.D.
William T. Stubenbord, M.D.
George E. Wantz, M.D.
David Edwin Wesson, M.D.
John C. Whitsell II, M.D.
Roger W. Yurt, M.D.

Associate Attending Surgeons
Anthony C. Antonacci, M.D.
Philip S. Barie, M.D.
Harry L. Bush Jr., M.D.
Armand F. Cortese, M.D.
John Mihran Davis, M.D.
Jerome Finkelstein, M.D.
Cleon W. Goodwin, M.D.
Peter M. Guida, M.D.
Paul H. Halebian, M.D.
Alexander E. Kuehl, M.D.
Michael R. Madden, M.D.
Vincent F. Marzulli, M.D.
Kevin P. Morrissey, M.D.
Stuart D. Saal, M.D.
Michael F. Silane, M.D.
Barry H. Smith, M.D., Ph.D.
John F. Sullivan, M.D.
John C. L. Wang, M.D., Ph.D.

Assistant Attending Surgeons
John M. Aronian III, M.D.
Fadi F. Attiyeh, M.D.
Adolfo M. Ayuyao, M.D.
Monica M. Bertagnolli, M.D.
Anthony C. Cahan, M.D.
James L. Clarke, M.D.
Hiram S. Cody III, M.D.
William T. Curry, M.D.
Richard A. Dietrich, M.D.
Gary A. Fantini, M.D.
Eva Fischer, M.D.
Yuman Fong, M.D.
Gregory Fried, M.D.
James P. Gaston, M.D.
Mark S. Gordon, M.D.
James P. Kavoussi, M.D.
Michael P. LaQuaglia, M.D.
Michael D. Lieberman, M.D.
Faith A. Menken, M.D.
Brian Michel, M.D.
Anthony C. Mustalish, M.D.
Eugene J. Nowak, M.D.
Herbert C. Rader, M.D.
David Serur, M.D.
Rache M. Simmons, M.D.
Harry Statman, M.D.

Clinical Affiliate
David A. Mayer, M.D.

Surgeon's Assistants
Donna M. Hamilton
Lori Johnson
Geoffrey O'Sullivan
Howard F. Rose

GRADUATE STAFF

Clinical Fellows
Michael L. Cooper, M.D.
Irene Brown Medary, M.D.

Surgeons
Jillian Banbury, M.D.
Michael K. Banbury, M.D.
Kenneth R. Fretwell, M.D.
Jeffrey E. Gershenwald, M.D.
Richard E. Kirschner, M.D.
Samantha E. Kwon, M.D.
Thomas K. Lee, M.D.

Assistant Surgeons
Hazem Y. Afifi, M.D.
John D. Berne, M.D.
Susan K. Boolbol, M.D.
Cameron W. Brennan, M.D.
M. Christine Brown, M.D.
Tracy R. Calvo, M.D.
Jeffrey C. Chan, M.D.
Benjamin B. Choi, M.D.
Craig C. Curry, M.D.
Rajeev Dayal, M.D.
Mark A. Glick, M.D.
Richard D. Glick, M.D.
John A. Goncalves Jr., M.D.
Evelyn M. Gonzalez, M.D.
Drew P. Greeley, M.D.
Nizar Habal, M.D.
Walter C. Hayne, M.D.
Chisa Hidaka, M.D.
Haideh Hirmand, M.D.
John J. Hong, M.D.
Mary Ann Hopkins, M.D.
Eun Sil Hwang, M.D.
Charles R. Kaplan, M.D.
Sandip Kapur, M.D.
Matthew L. Lemer, M.D.
Ho-Sheng Lin, M.D.
Amy D. Lu, M.D.
Charles A. Mack, M.D.
Peter J. Mackrell, M.D.
Najjia N. Mahmoud, M.D.
Mary Alice Maluccio, M.D.
Martin D. McCarter, M.D.
Leslie L. Montgomery, M.D.
Imtiaz A. Munshi, M.D.
Bernard J. Park, M.D.
Christian P. Pavlovich, M.D.
J. Martin Perez, M.D.
Tracy M. Pfeifer, M.D.
Alistair B. M. Phillips, M.D.
Scott F. Rosen, M.D.
Suzanne B. Schwartz, M.D.
Robert Christopher Silich, M.D.
Li-Ming Su, M.D.

Gerald D. Suh, M.D.
Mia Talmor, M.D.
Josephine Y. Tsai, M.D.
George J. Tsioulias, M.D.
Irene Yu, M.D.

DENTISTRY, AND ORAL AND MAXILLOFACIAL SURGERY

Attending Oral Surgeon-in-Charge
Stanley J. Behrman, D.M.D.

Attending Dentists
Jason C. Lee, D.D.S.
John J. Putnam, D.D.S.

Associate Attending Oral Surgeon
David A. Behrman, D.M.D.

Associate Attending Dentist (Endodontist)
Nelson I. Mendell, D.M.D.

Associate Attending Dentist (Orthodontist)
Marc S. Lemchen, D.M.D.

Associate Attending Dentists (Periodontist)
Seymour M. Koteen, D.D.S.
Joseph E. Rowan, D.D.S.

Associate Attending Dentist (Prosthodontist)
Ivin B. Prince, D.D.S.

Associate Attending Dentists
Lawrence A. Behrman, D.D.S.
Harry Lumerman, D.D.S.
Ernest R. Piccaro, D.D.S.

Assistant Attending Oral and Maxillofacial Surgeons
Steven M. Baum, D.D.S.
Robert D. Carpenter, D.M.D.
Gregory C. Chotkowski, D.M.D.
Thomas M. Darrigan, D.D.S.
Arthur C. Elias, D.M.D.
Michael R. Glogoff, D.M.D.
Jerry L. Halpern, D.D.S.
Andrew J. Hauser, D.D.S.
Claudia B. Kaplan, D.D.S.
Frederick M. Lifshey, D.D.S.
Jonathan T. Perry, D.D.S.
Peter H. Pruden, D.D.S.
Steven J. Tunick, D.M.D.
William D. Weber, D.M.D.

Assistant Attending Dentists (Endodontist)
Sebastian J. Lentini, D.D.S.
Andrew Seth Melinger, D.M.D.

Assistant Attending Dentists (Orthodontist)
Brendan J. Boylan, D.D.S.
Mark Jay Bronsky, D.M.D.
Brendan M. Cooney, D.D.S.
Michael G. Steinberg, D.D.S.

Assistant Attending Dentists (Pedodontist)
Louis M. Cooper, D.D.S.
Mark S. Hochberg, D.M.D.
David J. Levine, D.D.S.
Jack L. Mitchell, D.D.S.

Assistant Attending Dentists (Periodontist)
Philip D. Pack, D.M.D.
George W. Sferra Jr., D.D.S.

Assistant Attending Dentists (Prosthodontist)
Jennifer J. Burrell, D.D.S.
James H. Doundoulakis, D.M.D.
Charles A. Lennon, D.M.D.

Assistant Attending Dentists
Stephen E. DeMyer, D.D.S.
Richard F. Giannandrea, D.D.S.
Peter W. Jankowski, D.D.S.
Robert Karsten, D.D.S.
Guy N. Minoli, D.D.S.
Edward J. Prus, D.D.S.
Steven Saltzman, D.D.S.
Robert M. Sorin, D.M.D.
Michael J. Vassallo, D.D.S.

GRADUATE STAFF

Oral and Maxillofacial Surgeon
Richard G. Gray, D.M.D.

Assistant Oral and Maxillofacial Surgeons
Cary H. Miles, D.D.S.
Edward A. Rosenbaum, D.M.D.

Intern in Oral and Maxillofacial Surgery
Peter A. Albanese Jr., D.M.D.

Interns - General Practice Residency Program
Noelle O. Kokoletsos, D.D.S.
Betty A. Leary, D.M.D.
Dong Eun Lee, D.M.D.

NEUROSURGERY

Attending Surgeon-in-Charge
Russel H. Patterson Jr., M.D.

Attending Surgeon
Richard A. R. Fraser, M.D.

Associate Attending Surgeons
Joseph H. Galicich Jr., M.D.
Francis W. Gamache Jr., M.D.
Jamshid B. G. Ghajar, M.D.
Michael H. Lavyne, M.D.
Robert B. Snow, M.D.

Assistant Attending Surgeon
Kevin J. Tracey, M.D.

GRADUATE STAFF

Clinical Fellow
Robert J. Hariri, M.D., Ph.D.

Surgeon
Ethan Taub, M.D.

Assistant Surgeons
Kevin M. Cockroft, M.D.
Stefano Camici, M.D.
Peter M. Li, M.D.
Susan Cohen Pannullo, M.D.
Steven F. Will, M.D.
Gary A. Zimmerman, M.D.

ORTHOPEDICS

Surgeon-in-Chief, The Hospital for Special Surgery
Russell F. Warren, M.D.

Attending Surgeons
Edward V. Craig, M.D.
Allan E. Inglis, M.D.
Richard S. Laskin, M.D.
David B. Levine, M.D.
Chitranjan S. Ranawat, M.D.
Leon Root, M.D.
Eduardo A. Salvati, M.D.
Thomas P. Sculco, M.D.
Andrew J. Weiland, M.D.
Philip D. Wilson Jr., M.D.

Associate Attending Surgeons
Oheneba Boachie-Adjei, M.D.
Walther H. O. Bohne, M.D.
Stephen William Burke, M.D.
Charles N. Cornell, M.D.
John H. Healey, M.D.
David L. Helfet, M.B.B.Ch.
John P. Lyden, M.D.
Peter J. Marchisello, M.D.
Ralph C. Marcove, M.D.
Richard McCormack Jr., M.D.
Stephen J. O'Brien, M.D.
Paul M. Pellicci, M.D.
Thomas L. Wickiewicz, M.D.
Russell E. Windsor, M.D.

Assistant Attending Surgeons
Michael M. Alexiades, M.D.
Stephen C. Allen, M.D.
David W. Altchek, M.D.
Abraham T. Appleton, M.D.
Joseph Borrelli Jr., M.D.
Robert L. Buly, M.D.
Frank P. Cammisa Jr., M.D.
Jonathan T. Deland, M.D.
David M. Dines, M.D.
Mark P. Figgie, M.D.
Michelle Gerwin, M.D.
Steven B. Haas, M.D.
Jo A. Hannafin, M.D., Ph.D.
Robert N. Hotchkiss, M.D.
Michael J. Maynard, M.D.
Martin J. O'Malley, M.D.
Douglas E. Padgett, M.D.
Andrew V. Slucky, M.D.
Kostas P. Velis, M.D.

GRADUATE STAFF

Surgeons
Robert J. Adelman, M.D.
Neelalkantan Anand, M.D.
Mathias P. G. Bostrom, M.D.
Vikram N. Brahmabhatt, M.B.B.S.
Michael R. Chardack, M.D.
Leigh Ann Curl, M.D.
Cherise M. Dyal, M.D.
John M. Feder, M.D.
Linda C. Jackson, M.D.
John C. L'Insalata, M.D.
Baron S. Lonner, M.D.
John D. Macgillivray, M.D.
John P. McCabe, M.B.B.Ch.
Jeffrey D. Mendelson, M.D.
Kenneth D. Montgomery, M.D.
Thomas P. Moran, M.D.
George A. C. Murrell, M.D., Ph.D.
Loel Z. Payne, M.D.
Scott Alan Rodeo, M.D.
Jose A. Rodriguez, M.D.
S. Robert Rozbruch, M.D.
Garth R. Smith, M.D.
Robert G. Squillante, M.D.
Michael S. Wall, M.D.
Geoffrey H. Westrich, M.D.
David A. Wolff, M.D.
S. Steven Yang, M.D.

Assistant Surgeons
James E. Bates, M.D.
Brian J. Bear, M.D.
Christopher T. Behr, M.D.
Leslie J. Bisson, M.D.
Kevin F. Bonner, M.D.
Blackshear M. Bryan III, M.D.
Brian J. Cole, M.D.
Haber C. Crockett, M.D.
Mark A. Deitch, M.D.
J. Albert Diaz, M.D.
Michael J. Diminick, M.D.
Douglas B. Freedberg, M.D.
Daniel W. Green, M.D.
Laurence Higgins, M.D.
David M. Kalainov, M.D.
David S. Levine, M.D.
Christopher Miskovsky, M.D.
Hugh M. O'Flynn, M.D.
Alexandra E. Page, M.D.
William M. Ricci, M.D.
Scott W. Rodi, M.D.
Karen E. Schneider, M.D.
Pamela J. Sherman, M.D.
Stephanie R. Stephens, M.D.
Riley Joseph Williams III, M.D.
John M. Wright, M.D.
Stephen J. Zabinski, M.D.

PLASTIC SURGERY

Attending Surgeon-in-Charge
Lloyd Hoffman, M.D.

Attending Surgeons
Dicran Goulian, M.D.
Randolph H. Guthrie Jr., M.D.
James W. Smith, M.D.
Andrew J. Weiland, M.D.

Associate Attending Surgeons
David A. Hidalgo, M.D.
Gregory S. LaTrenta, M.D.

Assistant Attending Surgeons
Gary S. Bromley, M.D.
Robert L. Cucin Jr., M.D.
Joseph Feinberg, M.D.
Lloyd B. Gayle, M.D.
Robert T. Grant, M.D.
Gerald Imber, M.D.
Martin E. Kessler, M.D.
Edward W. Powers III, M.D.
Philip G. Prioleau, M.D.
Lawrence S. Reed, M.D.
Kenneth O. Rothaus, M.D.
Robert G. Schwager, M.D.
John E. Sherman, M.D.
B. Donald Sklansky, M.D.

GRADUATE STAFF

Surgeons
Harry R. Arlis, M.D.
Brian E. Hass, M.D.
David A. Kulber, M.D.

Assistant Surgeons
Valerie J. Ablaza, M.D.
Douglas J. Mackenzie, M.D.
Mark H. Schwartz, M.D.

UROLOGY

Urologist-in-Chief and Chairman
E. Darracott Vaughan Jr., M.D.

Attending Urologists
Jerry G. Blaivas, M.D.
William R. Fair, M.D.
Marc Goldstein, M.D.
Moneer K. Hanna, M.D.
Karl-Eric Johanson, M.D.
Stanley J. Kogan, M.D.
Selwyn B. Levitt, M.D.
John H. McGovern, M.D.
Edward C. Muecke, M.D.
Robert S. Waldbaum, M.D.
John J. Williams, M.D.

Associate Attending Urologists
Neil H. Bander, M.D.
Richard H. Bard, M.D.
John W. Coleman, M.D.
John A. Fracchia, M.D.
Harry W. Herr, M.D.
David T. Mininberg, M.D.
W. Reid Pitts Jr., M.D.
Jon M. Reckler, M.D.
R. Ernest Sosa, M.D.

Assistant Attending Urologists
Joel Abramowitz, M.D.
Martin M. Alexander, M.D.
Carlos Arango, M.D.
Noel A. Armenakas, M.D.
Stephen R. Baumgarten, M.D.
John D. Birkhoff, M.D.
John C. Byrne, M.D.
Peter N. De Sanctis, M.D.
Jean-Francois Eid, M.D.
Stephen Fortunoff, M.D.
Israel Franco, M.D.
Suzanne L. Frye, M.D.
Bruce R. Gilbert, M.D.
Jeffrey Glasser, M.D.
Robert W. Gluck, M.D.
Michael M. Gross, M.D.
Frederick A. Gulmi, M.D.
Jack I. Hershman, M.D.
Steven Phillip Kallet, M.D.
Marc S. Kaplan, M.D.
Joel Karp, M.D.
Nachum M. Katlowitz, M.D.
Albert N. Kim, M.D.
Howard N. Kivell, M.D.
Marcus H. H. Loo, M.D.
Franklin C. Lowe, M.D.
Isaac Madeb, M.D.
James P. McCarron Jr., M.D.
Thomas P. McGovern, M.D.
Piero O. Niceta, M.D.
Carl M. Pellman, M.D.
Aaron P. Perlmutter, M.D., Ph.D.
Ben I. Preminger, M.D.
Edward F. Reda, M.D.
Jeffrey J. Sandhaus, M.D.
Peter N. Schlegel, M.D.
Saeid Shamsian, M.D.
Vincent J. Tumminello, M.D.
Sasha Wainstein, M.D.
Michael H. Wechsler, M.D.
Gilbert J. Wise, M.D.
Morey Wosnitzer, M.D.
George P. H. Young, M.D.

Surgeon's Assistant
Mary L. Lombardi

GRADUATE STAFF

Clinical Fellows
Gerald J. Matthews, M.D.
Hassan A. S. Razvi, M.D.
Armand Zini, M.D.

Urologists
Robert G. Britanisky, M.D.
Sarah C. Girardi, M.D.
Alexander P. Vukasin, M.D.

Assistant Urologists
Douglas W. Fields, M.D.
Thomas A. Gardner, M.D.
Francis Y. Kim, M.D.
Gary E. Lemack, M.D.
Laurence T. O'Connor Jr., M.D.
Perry M. Sutaria, M.D.
Robert G. Uzzo, M.D.
John T. Wei, M.D.
E. James Wright III, M.D.

DIRECTORS OF LABORATORIES

CLINICAL PATHOLOGY LABORATORIES

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Daniel M. Knowles, M.D.

Blood Bank and Transfusion Service
Director
Carl F.W. Wolf, M.D.
Assistant Director
Kathleen A. Leonard, M.D.

Clinical Biochemistry
Director
Kenneth Emancipator, M.D.

Clinical Hematology
Director
Powers Peterson, M.D.

Clinical Microbiology
Director
Laurence B. Senterfit, Sc.D.
Associate Director
Renate F. Klein, Ph.D.

Cytogenetics
Director
M. Lita Alonso, M.D.

Cytology
Director
Charles A. Santos-Buch, M.D.
Assistant Director
June H. Koizumi, M.D.

Immunopathology
Director
Daniel M. Knowles, M.D.
Assistant Director
Amy Chadburn, M.D.

Surgical Pathology
Acting Director
Janet A. Mouradian, M.D.

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Timothy Sanborn, M.D.

Cardiac Catheterization, Pediatrics
Aaron R. Levin, M.D.

Cardiac Graphics, Adult
Paul D. Kligfield, M.D.

Cardiac Graphics, Pediatrics
Kathryn H. Ehlers, M.D.

Electroencephalography
Gail E. Solomon, M.D.

Neurophysiology
Jonathan Victor, M.D., Ph.D.

Nuclear Medicine
David V. Becker, M.D.

Pulmonary Function
Thomas K.C. King, M.D.

DEPARTMENT OF PHARMACY

Apothecary-in-Chief
W. James Bicket, M.S.

DIVISION OF NURSING

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Vice President for Nursing
Anne Alexis Coté, M.P.A., R.N.
(through 7/94)

Acting Vice President for Nursing
Doris Glick, M.P.H., R.N.
(8/94)

Acting Director of Nursing Administration
Cynthia Godfrey, M.S., R.N.
(8/94)

Directors

Ambulatory Care Nursing
Susan Zori, M.A., R.N.

Critical Care Nursing
Elizabeth McCormick, M.S., R.N.

Medical/Surgical Nursing
Jody Sklar, M.A., R.N.

Nursing Education
Sally Ann Corbo, M.A., R.N.

Nursing Practice
Janet L. McBride, M.A., R.N.

Perioperative Services
Elizabeth Wein, M.P.S., R.N.

Psychiatric Nursing Payne Whitney Clinic
Kenneth Larson, M.P.A., R.N.

Psychiatric Nursing Westchester Division
Mary Anne Hurley, M.A., R.N.

Women and Children's Health Nursing
Shelley Adelman, M.S., R.N.

Cornell University Medical College Faculty

All members of The New York Hospital attending staff also hold faculty appointments at Cornell University Medical College. Listed below in rank order are CUMC additional faculty in the clinical departments at The New York Hospital-Cornell Medical Center who hold only Medical College appointments, followed by the faculty in the basic science departments. Included here are faculty on all five appointment tracks: tenure, academic-clinical, clinical, research, and voluntary. These lists include full-time and part-time faculty, including those who have adjunct, visiting, and courtesy appointments. Some faculty have appointments in more than one department; in most cases, faculty members' names appear only in the departments where they have their primary appointments.

Honorary and emeritus staff members at The New York Hospital hold or held CUMC faculty appointments. Immediately below are further Medical College emeritus faculty members at the ranks of professor and associate professor.

CORNELL UNIVERSITY MEDICAL COLLEGE

(January 1995)

ADDITIONAL EMERITUS FACULTY

Stuart S. Asch, M.D.
Mary E.W. Goss, Ph.D.
Roger L. Greif, M.D.
Bernard L. Horecker, Ph.D.
Takeo Iwamoto, M.D.
Eleanor C. Lambertsen, Ed.D.
Allyn B. Ley, M.D.
Toby Rodman, Ph.D.
George Schaefer, M.D.
Doris R. Schwartz, M.A.
Charles Sheard, M.D.
Selma Silagi, Ph.D.
Roy C. Swan, M.D.
Alice Ullman, M.S.

CORNELL UNIVERSITY MEDICAL COLLEGE - CLINICAL DEPARTMENTS

Additional Faculty

DEPARTMENT OF ANESTHESIOLOGY

Associate Professorial Rank
Bernd W. Urban, Ph.D.

Assistant Professorial Rank
Daniel N.S. Duch, Ph.D.
Anthony G. Messina, M.D.
Esperanza Recio-Pinto, Ph.D.

DEPARTMENT OF CARDIOTHORACIC SURGERY

Assistant Professorial Rank
Daniel G. Ciaburri, M.D.
George E. Cimochowski, M.D.
John A. Zelano, Ph.D.

DEPARTMENT OF DERMATOLOGY

Associate Professorial Rank
Irene Weitzman, Ph.D.

DEPARTMENT OF MEDICINE

Professorial Rank
Louis M. Aledort, M.D.
Edward D. Crandall, M.D.
Leon Ellenbogen, Ph.D.
Peter C. Harpel, M.D.
Thomas C. Jones, M.D.
William R. Levis, M.D.
Ollie S. Miettinen, M.D., Ph.D.
Kenneth E. Mott, M.D.
Heonir Rocha, M.D.
Jean E. Sealey, Ph.D.
Stanley Ulick, M.D.

Associate Professorial Rank
Robert J. Da Silva Badaro, M.D.
Marius J. Broekman, Ph.D.
Betty S. Danes, M.D.
Harold R. Dettelbach, Ph.D.
Aihao Ding, Ph.D.
James D. Frengley, M.B. B.Ch.
Richard Friedman, Ph.D.
Joelle Gabay, Ph.D.
Gwyneth J. Goodfield, Ph.D.
Gary D. James, Ph.D.
Lawrence J. Machlin, Ph.D.
Dwight E. Matthews, Ph.D.
Timothy A. McCaffrey, Ph.D.
Franco B. Mueller, M.D.
Jean W. Pape, M.D.
Kenneth B. Pomerantz, Ph.D.
Steven G. Reed, Ph.D.
Carlo Russo, M.D.
Melissa P. Schori, M.D.
Rise Schwab, Ph.D.
Joseph S. Schwartz, Ph.D.
Anthony W. Scotto, Ph.D.
Paul Szabo, Ph.D.

Assistant Professorial Rank
Clyde Wayne Bardin, M.D.
Leona Brenner-Gati, M.D.
Daniel F. Catanzaro, Ph.D.
Andrew B. Covit, M.D.
Giovanni DeSimone, M.D.
Paul J. Deutsch, M.D.
Adeleh Ebrahimzadeh, Ph.D.
William Gerin, Ph.D.
Steven M. Goldfine, Ph.D.
Margaret A. Hamburg, M.D.
Nyoun Soo Kwon, Ph.D., M.D.
Paul Algirdas Landsbergis, Ed.D.
Thomas N. Lavin, M.D.
Hsiou-Chi Liou, Ph.D.
Siu Kong Lo, Ph.D.
Shantha Madhavan, D.P.H.
Stuart B. Mushlin, M.D.
Daniel Ronsse Nussenzveig, M.D.
Riccardo Pini, M.D.
Stephen G. Rosen, M.D.
Constance D. Rothermel, Ph.D.
Suzanne F. Scarlata, Ph.D.
Fred S. Schwartz, M.D.
Phyllis G. Supino, Ph.D.
John Eu-Li Wong, M.B.B.S.
Qiao-Wen Xie, Ph.D.

Instructor Rank
John G. Hay, M.B.B.S., M.D.
Andrew Hodtsev, Ph.D.
Robert O. Kenet, M.D.
Andrea Mastrangeli, M.D.
Suman Frieda A. Pearce, Ph.D.
Julio Rimarachin, M.D., Ph.D.
Nadia Gabriele Tornieporth, M.D.

Other
Philip R. Fox, D.V.M.

DEPARTMENT OF NEUROLOGY AND NEUROSCIENCE

Professorial Rank
H. Richard Beresford, M.D.
Richard S.J. Frackowiak, M.B.B.Ch., M.D.
Gary Gibson, Ph.D.
Tong H. Joh, Ph.D.
Virginia M. Pickel, Ph.D.
William A. Pulsinelli, Ph.D., M.D.
Donald J. Reis, M.D.
John A. Wagner, Ph.D.

Associate Professorial Rank
David E. Levy, M.D.
Teresa A. Milner, Ph.D.
David A. Ruggiero, Ph.D.
Bruce Volpe, M.D.

Assistant Professorial Rank
Chiye J. Aoki, Ph.D.
Leslie A. Burton, Ph.D.
Douglas L. Feinstein, Ph.D.
Eugene V. Golanov, Ph.D.
Jodi D. Nadler, Ph.D.
Keith P. Purpura, Ph.D.
Regunathan Soundararajan, Ph.D.
Miao-Kun Sun, Ph.D.
Lewis W. Tucker, Ph.D.
Elisabeth J. Van Bockstael, Ph.D.
Claes R. Wahlstedt, M.D., Ph.D.

Instructor Rank
Sue Ann Aicher-Welsch, Ph.D.
Gen Li, Ph.D.
Hong Wang, Ph.D.

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Professorial Rank
J. Michael Bedford, V.M.D., Ph.D.
S. Anna-Riita Fuchs, D.M.Sc.
Lawrence B. McCullough, Ph.D.
Brij Saxena, D.Sc., Ph.D.
Stanley Zinberg, M.D.

Associate Professorial Rank
Hung-Ching Liu, Ph.D.
John J. Rasweiler IV, Ph.D.
Premila Rathnam, Ph.D.
Steven S. Witkin, Ph.D.

Assistant Professorial Rank
Linda D. Applegarth, Ed.D.
Annette L. Bond, M.D.
Garland J. Garrisi, Ph.D.
Glen C. Isaacson, M.D.
Gianpiero D. Palermo, M.D.
Mukul Singh, M.B.B.S.
Kangpu Xu, Ph.D.

Instructor Rank
Diana S. Catz, Ph.D.
Edward Jacobson, M.D.
Amen Ness. M.D.
David B. Weinstein, M.D.

DEPARTMENT OF OPHTHALMOLOGY

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Ingrid Kreissig, M.D.
Frederic L. Lizzi, D.Sc.
Peter R. Macleish, Ph.D.

Associate Professorial Rank
Ronald H. Silverman, Ph.D.

Assistant Professorial Rank
Scott E. Brodie, Ph.D., M.D.
Vincent P. DeLuise, M.D.
Robert M. Duvoisin, Ph.D.
Janet R. Sparrow, Ph.D.
Ching-Hwa Sung, Ph.D.
Lloyd M. Wilcox Jr., M.D.

DEPARTMENT OF OTORHINOLARYNGOLOGY

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Assistant Professorial Rank
Marc B. Kramer, Ph.D.
Melissa Gale Steiner, Ph.D.

DEPARTMENT OF PEDIATRICS

Professorial Rank
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Ursula Muller-Eberhard, M.D.
Mario Cristiano Rattazzi, M.D.
Emile M. Scarpelli, M.D.

Associate Professorial Rank
Susanna Cunningham-Rundles, Ph.D.
Robert W. Grady, Ph.D.
Margaret T. Grossi, M.D., M.P.H.
Ruth Deborah Nass, M.D.
Karen R. Segal, Ph.D., Ed.D.
Mary Josephine Ward, Ph.D.

Assistant Professorial Rank
Ivan L. Hand, M.D.
David M. Namerow, M.D.
Leigh Pascoe, Ph.D.
George W. Rutherford III, M.D.
Toni Lynn Valentino, M.D.

Instructor Rank
Yusuf M. Khakoo, M.D.
Robert C. Wilson, Ph.D.

DEPARTMENT OF PSYCHIATRY

Professorial Rank
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Joseph T. English, M.D.
Judith Green, Ph.D.
Leon D. Hankoff, M.D.
Barbara F. Leavy, Ph.D.
Roy Schafer, Ph.D.
Gerard P. Smith, M.D.
Daniel N. Stern, M.D.

Associate Professorial Rank
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Daniel I.A. Cohen, Ph.D.
Norcross D. Geary, Ph.D.
Herbert H. Krauss, Ph.D.
Alan Angus McLean, M.D.
Kevin Lee Moreland, Ph.D.
Randall B. Murphy, Ph.D.
Doris B. Nagel, M.D.

Assistant Professorial Rank
Bonnie G. Berger, Ed.D.
Eric S. Corp, Ph.D.
John D. Davis, Ph.D.
Adam Drewnowski, Ph.D.
Zofia E. Dziewanowska, M.D.
Danielle Greenberg, Ph.D.
Andrew C. Leon, Ph.D.
Carol C. Magai, Ph.D.
John Chetwood Mahler, M.D.
Brian D. Poeschla, M.D.
Judith Godwin Rabkin, Ph.D.
Tracey A. Revenson, Ph.D.
Steven D. Roth, M.D.
Suzanne R. Sunday, Ph.D.
Mildred Hope Witkin, Ph.D.

Instructor Rank
Thomas Houpt, Ph.D.
Tatsuyuki Kakuma, Ph.D.
Ellen J. Klausner, Ph.D.
Mary Anne Yanulis, Ph.D.

DEPARTMENT OF RADIOLOGY

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Plinio Rossi, M.D.
Jack L. Westcott, M.D.
Joseph P. Whalen, M.D.

Associate Professorial Rank
Yong Ho Auh, M.D.
Patrick T. Cahill, Ph.D.
Daniel G. Gomez, Ph.D.
Mark E. Peterson, D.V.M.
Julius Smith, M.B.B.Ch.

Assistant Professorial Rank
Jing Gao, M.D.
William B. Goldstein, M.D.
Douglas E. Hertford, M.D.
Morton Jacobs, M.D.
Louis D. Neistadt, M.D.
Leslie A. Saint Louis, M.D.
Oliver Shih Ming Tsen, M.S.
Kenneth Zirinsky, M.D.

DEPARTMENT OF SURGERY

Professorial Rank
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M. Michael Eisenberg, M.D.
James A. Nicholas, M.D.
G. Tom Shires, M.D.
George Y. Wong, Ph.D.

Associate Professorial Rank
Steven E. Calvano, Ph.D.
Delia Gorga, Ph.D.
Stuart L. Scheiner, M.D.
Lisa Staiano-Coico, Ph.D.
Nitin T. Telang, Ph.D.

Assistant Professorial Rank
George J. Beraka, M.D.
Paul F. Fondacaro, M.D.
Robert Joseph Hariri, M.D.
Alan D. Heymann, M.D.
Kathryn Ko, M.D.
James N. Leonard, Ph.D.
Charles P. Martucci, Ph.D.
Norman S. Roome, M.D.
Norman H. Schulman, M.D.
Norman Sohn, M.D.
Raj Kumar Tiwari, Ph.D.

Instructor Rank
Lily Chen, M.D.
Carroll Boutell Lesesne, M.D.
Mark F.X. O'Neill, M.D.

DEPARTMENT OF UROLOGY

Associate Professorial Rank
Wolfgang K. Aulitzky, M.D.
Diane Felsen, Ph.D.

CUMC faculty whose appointments are in the Medical College and not in a department:

C. Everett Koop, M.D., Sc.D.
Visiting Scholar

Fred Plum, M.D.
University Professor

CORNELL UNIVERSITY MEDICAL COLLEGE - BASIC SCIENCE DEPARTMENTS

DEPARTMENT OF BIOCHEMISTRY

Acting Chairman
Esther M.G. Breslow, Ph.D.

Professorial Rank
Arthur J.L. Cooper, Ph.D.
Owen W. Griffith, Ph.D.
Rudy H. Haschemeyer, Ph.D.
Sidney Udenfriend, Ph.D.

Associate Professorial Rank
Gordon F. Fairclough, Jr., Ph.D.
Jerald D. Gass, Ph.D.
Helena Gilder, M.D.
Hugh D. Robertson, Ph.D.
Suresh S. Tate, Ph.D.
Daniel Wellner, Ph.D.

Assistant Professorial Rank
Mary E. Anderson, Ph.D.

DEPARTMENT OF CELL BIOLOGY AND ANATOMY

Chairman
Donald A. Fischman, M.D.

Professorial Rank
Rosemary Bachvarova, Ph.D.
Dana C. Brooks, M.D.
Moses V. Chao, Ph.D.
Wilbur D. Hagamen, M.D.
Enrique J. Rodriguez-Boulan, M.D.
Julio L. Sirlin, D.Sc.

Associate Professorial Rank
David M. Bader, Ph.D.
Anthony M.C. Brown, Ph.D.
Fakhry G. Girgis, M.D., Ph.D.
Martin D. Hamburg, Ph.D.
Joel D. Pardee, Ph.D.
Fernando C. Reinach, Ph.D.
Paula Traktman, Ph.D.
John C. Weber, D.D.S.

Assistant Professorial Rank
Patrick J. Brennwald, Ph.D.
Michael A. Caudy, Ph.D.
Silvia Chifflet, M.D.
Takashi Mikawa, Ph.D.
Estomih Mtui, M.D.
Barbara V. Paynton, Ph.D.

Instructor Rank
Michele Fuortes, Ph.D.
Ayyappan Rajasekaran, Ph.D.

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In 1994 and 1995, the Medical Center paid final tribute to several individuals whose wisdom advanced medical science, and whose love of humanity inspired their colleagues, motivated their students, and heartened the patients in their care.

George F. Egan, D.M.D., Director of the Division of Dentistry, and Oral and Maxillofacial Surgery from 1948 to 1971;

Robert M. Ellsworth, M.D., Vice Chairman of the Department of Ophthalmology and Director of the Department's Oncology Center;

Fritz F. Fuchs, M.D., Professor Emeritus and former Chairman of Obstetrics and Gynecology from 1965 to 1978, who introduced laparoscopy into gynecological practice in the United States and amniocentesis for detecting genetic disorders;

Alton Meister, M.D., Chairman and Israel Rogosin Professor of Biochemistry for 25 years, whose research into glutathione broadened science's understanding of the immune system and advanced AIDS research;

Samuel W. Perry III, M.D., Professor of Psychiatry and Attending Psychiatrist, who was an expert in the psychiatric problems arising from serious medical conditions, such as AIDS and burn injuries;

David E. Rogers, M.D., the Walsh McDermott University Professor of Medicine, who was one of the most illustrious members of the New York-Cornell community and gained national and international recognition for his public health policy work related to the AIDS epidemic;

David D. Thompson, M.D., former Director of The New York Hospital from 1967 until 1987, whose tenure included considerable capital expansion, development of the city's first advanced burn unit, new centers for the care of premature infants and dialysis, and a pronounced shift from inpatient treatment to ambulatory care;

Paul V. Trad, M.D., Assistant Professor of Psychiatry and Director of Child and Adolescent Psychiatry at New York-Cornell's Westchester Division.

We also mourn the loss of:

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Auxiliary and Volunteers

AUXILIARY

The New York Hospital Auxiliary was founded in 1912 to aid the Department of Social Services of The New York Hospital. Today, the Auxiliary's more than 100 members continue to raise funds to support the many programs benefitting the Hospital and its patients. Funds raised through the Auxiliary's activities have supported various programs and equipment at the Medical Center. These include:

- a donation for the purchase of TV and VCR equipment for the Department of Critical Care Nursing
- funds for arts and crafts supplies for the Department of Rehabilitation Medicine
- allocation of funds for the Teenage Pregnancy and Parenting Program (TAPP)
- funding for printing of educational booklets for the Department of Pediatrics
- a donation to the HealthOutreach program to purchase 30 Lifeline emergency response systems

VOLUNTEERS

Today, The New York Hospital faces many challenges as it tries to meet the ever-increasing needs of its patients, their families, and our community. Volunteers are able to lend a helping hand that can make a significant difference to patients served by the Medical Center.

New programs, such as the Family Liaison Program on Payson 4 and in the new surgical waiting room, have been developed in which volunteers play a key role in providing services. In 1994, 913 volunteers gave 81,614 hours of their time. Among the awards for levels of service achieved in 1994 were:

40 Years
Marilyn Graves

35 Years
Rosita Maldonado

15 Years
Leni Eisenberg
Paul Epstein

10 Years
Lois Kaufmann
Natalie Langner
Sophie Oriel
Sidney Rosenblatt

5 Years
Eugenia Ballesteros
John Bennett
Roslyn Bloch
Bonnie-Lee Bond
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Hollis Clark
Joyce Flach
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Mary E. Morris
Alice Northam
Lisa Perry
Emma Pollard
Sidell Reiner
Ann Scallon
Pauline Swiger
Theresa Tomasulo
Rose Ungar

6,000 Hours
Lollo Erda

4,000 Hours
Susan Loesser

3,000 Hours
Josephine Pecorino

2,000 Hours
Pauline Berman
Gudrun Heidenrich
Erna Howley
Inge Muhlfelder
Ernest Still

MAKING A GIFT TO THE NEW YORK HOSPITAL-CORNELL MEDICAL CENTER

Gifts, bequests, and trusts are important sources of support for The New York Hospital-Cornell Medical Center. Such gifts provide funding for a wide range of programs, including those that care for patients, educate future physicians and scientists, and expand community outreach. Additionally, these gifts make possible pioneering biomedical research which results in new and improved cures and treatments for disease, helping people today as well as in future generations.

Gifts may be made in a number of ways — by cash, securities, or other property. They may be given outright, by bequest, or through a trust arrangement which can provide an income to the Medical Center, to the donor, or to his or her beneficiaries, for a predetermined period of time or for life.

The Medical Center encourages gifts without restriction so as to permit greater flexibility in planning and administering its extensive programs in patient care, education, and research. However, if a donor is interested in making a gift, bequest, or trust to be used in whole or in part for any specific purpose within the Hospital, Medical College, or Medical Center, such use may be specified.

The New York Hospital-Cornell Medical Center is comprised of The Society of the New York Hospital and Cornell University Medical College. Both the Society and Cornell University, of which the Medical College is a part, are qualified not-for-profit institutions which receive major support from private gifts. Gifts to the Hospital, Medical College, and Medical Center by individuals, foundations, or corporations are exempt from income, gift, and inheritance taxes to the extent and in the manner provided by federal and state laws.

The Medical Center is pleased to provide information about its numerous programs and activities, and to consult with donors and their advisors about various gift ideas, many of which provide a naming opportunity. *Our Guide to Giving* is available by calling the number listed below.

The Society of the New York Hospital, which is the legal corporate name for The New York Hospital, is a corporation created by Royal Charter granted by King George III of England in 1771. The suggested terminology for an unrestricted bequest to or for its benefit is: "I give, devise and bequeath to The Society of the New York Hospital Fund, Inc., a corporation created under the New York State Not-for-Profit Corporation Law and located in New York City, New York, the sum of $_____ (or description of the property) to be used for the general corporate purposes of The Society of the New York Hospital as its Board of Governors should determine."

If a bequest is made to the Medical College, the language may be: "I give and bequeath to Cornell University the sum of $_____ (or description of property) for use in connection with its Medical College in New York City."

If a bequest is made to the Medical Center, the language may be: "I give and bequeath to The New York Hospital-Cornell Medical Center Fund, Inc., the sum of $_____ (or description of property)."

Further information about making a gift to the Hospital, College, or Medical Center can be obtained from **Sue B. Dorn, Vice President and Vice Provost for Development, The New York Hospital-Cornell Medical Center, 525 East 68th Street, New York, NY 10021, 212-746-4070.**

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Patient Condition Information	**(212) 746-5000**
Cornell University Medical College	
Information	**(212) 746-5454**
Payne Whitney Clinic, Psychiatric	
Information, Inpatient	**(212) 434-5500**
Information, Outpatient	**(212) 821-0700**
Westchester Division, Psychiatric	**(914) 682-9100**
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Located at 70th Street, East of York Avenue	
Pediatric Emergency Center	**(212) 746-3300**
Located at 70th Street, East of York Avenue	
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